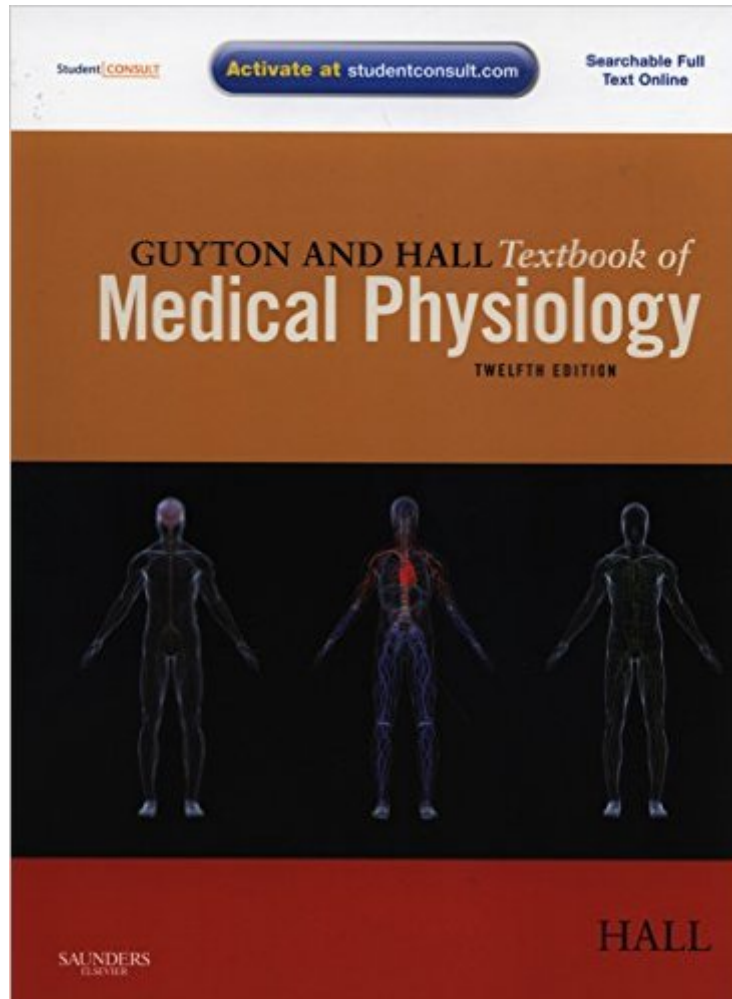


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# Guyton And Hall Textbook Of Medical Physiology, 12e



## Synopsis

The twelfth edition of Guyton and Hall Textbook of Medical Physiology continues this best-selling title's long tradition as one of the world's favorite physiology textbooks. The immense success of this book is due to its description of complex physiologic principles in language that is easy to read and understand. Now with an improved color art program, thorough updates reflecting today's medicine and science, and accessible online at Student Consult, this textbook is an excellent source for mastering essential human physiology knowledge. Learn and remember vital concepts easily thanks to short, easy-to-read, masterfully edited chapters and a user-friendly full-color design. See core concepts applied to real-life situations with clinical vignettes throughout the text. Discover the newest in physiology with updates that reflect the latest advances in molecular biology, cardiovascular, neurophysiology, and gastrointestinal topics. Visualize physiologic principles clearly with over 1000 bold, full-color drawings and diagrams. Distinguish core concepts from more in-depth material with a layout that uses gray shading to clearly differentiate between "need-to-know" and "nice-to-know" information. Access the complete contents online at Student Consult along with bonus resources such as image banks, self-assessment questions, physiology animations, and more! This new edition continues the long tradition of "Guyton" as one of the world's favorite physiology textbooks.

## Book Information

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## Customer Reviews

I thought it might be helpful to people if I excerpted the following from Prof. John Hall's preface to

the 12th edition because it deals in part with what revisions he made for the book:"I worked closely with Dr. Guyton for almost 30 years and had the privilege of writing parts of the 9th and 10th editions. After Dr. Guyton's tragic death in an automobile accident in 2003, I assumed responsibility for completing the 11th edition. For the 12th edition of the Textbook of Medical Physiology, I have the same goal as for previous editions - to explain, in language easily understood by students, how the different cells, tissues, and organs of the human body work together to maintain life.[...]A brief explanation is needed about several features of the 12th edition. Although many of the chapters have been revised to include new principles of physiology, the text length has been closely monitored to limit the book size so that it can be used effectively in physiology courses for medical students and health care professionals. Many of the figures have also been redrawn and are in full color. New references have been chosen primarily for their presentation of physiological principles, for the quality of their own references, and for their easy accessibility. The selected bibliography at the end of the chapters lists papers mainly from recently published scientific journals that can be freely accessed from the PubMed internet site at [...]. Use of these references, as well as cross-references from them, can give the student almost complete coverage of the entire field of physiology. The effort to be as concise as possible has, unfortunately, necessitated a more simplified and dogmatic presentation of many physiologic principles than I normally would have desired. However, the bibliography can be used to learn more about the controversies and unanswered questions that remain in understanding the complex functions of the human body in health and disease. Another feature is that the print is set in two sizes. The material in large print constitutes the fundamental physiologic information that students will require in virtually all of their medical activities and studies. The material in small print is of several different kinds: first, anatomic, chemical, and other information that is needed for immediate discussion but that most students will learn in more detail in other courses; second, physiologic information of special importance to certain fields of clinical medicine; and, third, information that will be of particular value to those students who may wish to study particular physiologic mechanisms more deeply."

Well, I read the last edition of Guyton and it was fair to midland in quality however the 12th edition is another story. For physiology and molecular biology the illustration need to grip the idea and leave a lasting mark. If the prose can do the same you have a marvelous textbook. Well both ideas and practices have been fulfilled with this edition. The chapters on cell structure are brilliant as well as renal and cardiac anatomy and physiology. This text left me reading 100 pages a night until I was complete with the text. The hasn't happened to me since the last edition of the The Cell. The

fundamentals of each of the body's organs are so well explained and illustrated that a lot of new information came my way. I have to say this text is the best medical text I have read in the last three years. You will find it an amazing and time well spent read. Enjoy.

Recently I had the opportunity to compare some (not all) of the cardiology chapters in Guyton versus Boron, head to head (I had both books open, side by side). There were a few things in Boron that were better illustrated and better explained. But overall I thought that Guyton was superior in its relevancy to clinical medicine. I can't speak for any other topics in these books, only cardiology. For cardiology, in my opinion the clear winner was Guyton.

This is one of my favorite physiology texts, and provides the reader with comprehensive knowledge regarding nearly every conceivable physiology topic. The systems-based organization makes finding topics within this hefty text relatively easy; furthermore, the chapters are well-organized and concise, each covering very specific aspects of the topic at hand. As a consequence Guyton and Hall's text makes an excellent supplement to other, less-impressive physiology texts (and there are plenty). I highly recommend this book as an addition to any serious biology/pre-med/med. student's library.

I went through each and every chapter side by side and they're exactly the same content with better presentation. Other than that, you may save your money for another book that you may need.

I have used several physiology texts, but Guyton is the one I keep coming back to. It is more in depth than any others, yet is straightforward and easy to read. Without this text I would never have learned physiology. Illustrations are great and enhance the text portion. Subjects are covered in detail individually, and also presented as integrated systems. Highly recommended whether this is the assigned text for your course or just for an extra reference. I return to my Guyton any time I need to brush up on something.

As far as I have been able to inspect this new edition, the changes introduced are mainly about the interface rather than the content. The paper and print quality feels much softer to the eye and chapter-text layouts have been optimized. At least half of the references on almost every chapter appear to be after 2006 (the year in which the 11th edition was published), which happened to be the element I primarily checked before buying. I expected the chapter contents to change

accordingly, which I didn't observe as I compared with the 11th edition.

This book is great. It gives you all the information and explanation needed about the subjects and is very comprehensive. I'm a first year med. student and I love it. I must admit, it takes a while to read them, but by the time you're done reading a chapter, you will get a great understanding of the concepts.

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