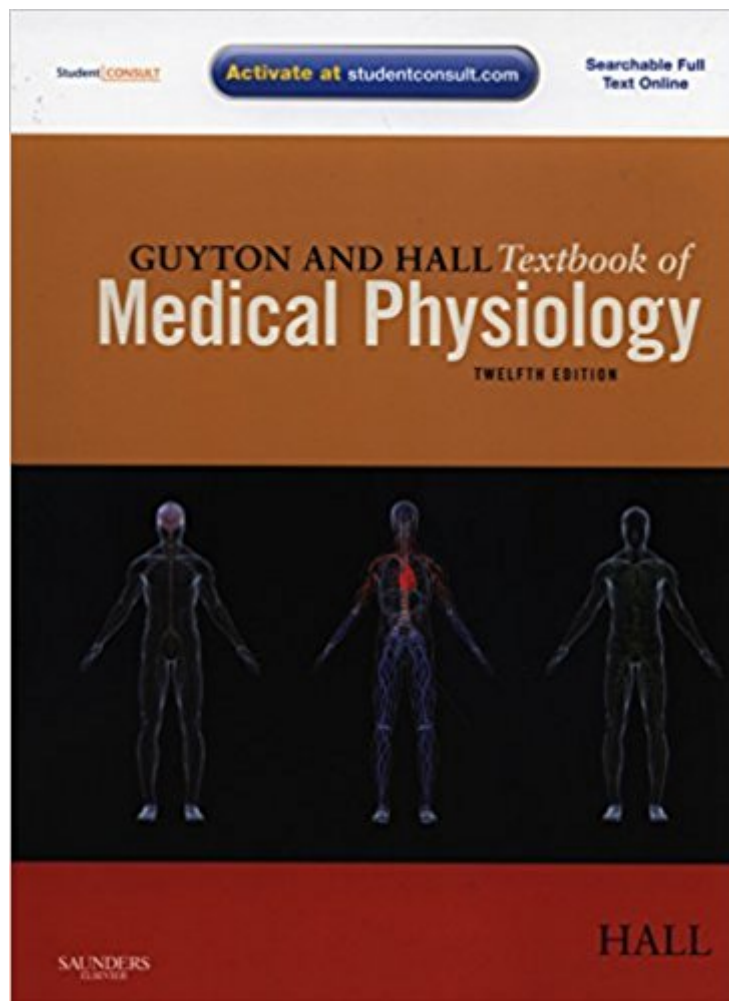




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# Guyton And Hall Textbook Of Medical Physiology, 12e



## 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

Hardcover: 1120 pages

Publisher: Saunders; 12th edition (June 29, 2010)

Language: English

ISBN-10: 1416045740

ISBN-13: 978-1416045748

Product Dimensions: 2 x 8.5 x 11 inches

Shipping Weight: 6.2 pounds (View shipping rates and policies)

Average Customer Review: 4.4 out of 5 stars 200 customer reviews

Best Sellers Rank: #43,697 in Books (See Top 100 in Books) #35 in [Books > Textbooks > Medicine & Health Sciences > Medicine > Basic Sciences > Pathophysiology](#) #40 in [Books > Medical Books > Basic Sciences > Pathophysiology](#) #160 in [Books > Textbooks > Medicine & Health Sciences > Medicine > Basic Sciences > Physiology](#)

## Customer Reviews

Guyton and Hall returns--modernized and even more accessible

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This is a great physiology textbook! I'm a little over 100 pages in and thought I would leave my thoughts and findings so far. The full online version of the book and resources are included for free! Sixteen video animations, multiple choice questions on each unit of the book, and 25 enhanced images where you can quickly hide the labels, quiz yourself, and then click to see the correct label are all part of the online version resources. There are no quizzes or questions at the end of each unit in the physical print edition (I think the Guyton and Hall Physiology Review 3e is geared toward this aspect). The general layout of the textbook is two columns of text per page with many figures and tables interwoven. The font of the text is clear and easy to read. The text guides you through the figures and explains them well as it is teaching the subject making for a far better learning experience than others where they just have a description underneath the figure (in this textbook there is also a very brief description under the figure but mainly is described in the main part as you are reading). There are mini bibliographies at the end of each unit allowing you to know where you might start to further dive into that topic and read some of the current research papers. Modern research and findings have been seamlessly incorporated. An index is included at the back of this book, but there is no glossary. Here is the general outline (15 units broken down into 85 chapters):

- Unit 1 - Introduction to Physiology: The Cell and General Physiology
- Unit 2 - Membrane Physiology, Nerve, and Muscle
- Unit 3 - The Heart
- Unit 4 - The Circulation
- Unit 5 - The Body Fluids and Kidneys
- Unit 6 - Blood Cells, Immunity, and Blood Coagulation
- Unit 7 - Respiration
- Unit 8 - Aviation, Space, and Deep-Sea Diving Physiology
- Unit 9 - The Nervous System: A. General Principles and Sensory Physiology
- Unit 10 - The Nervous System: B. The Special Senses
- Unit 11 - The Nervous System: C. Motor and Integrative Neurophysiology
- Unit 12 - Gastrointestinal Physiology
- Unit 13 - Metabolism and Temperature Regulation
- Unit 14 - Endocrinology and Reproduction
- Unit 15 - Sports Physiology

I bought this book for veterinary school as it was a required textbook. I was so pleased to find this on as it is much more expensive to buy in the bookstore. I really enjoyed this book. As far as medical books go, I thought this one was easy to understand. It does a great job at explaining things and was a perfect supplementation to my class. This really help understand lectures and notes. It

helped even more when I needed to study for the test as this is what I reference the most. I was very pleased by the book.

Very good update on a standard medical physiology textbook. Graphics have been updated compared to previous editions. I really like the "Student Consult" online service!

Without an intimate knowledge of all aspects of physiology, disease mechanisms can never be fully understood and pharmacology becomes rote memorization, rather than the art of fine tuning the target system back to its normal physiologic state. Without physiology there is no medicine. Guyton's textbook is an extremely important tool in understanding physiology.

Always enjoyed this textbook and organization. It is very helpful for understanding physiology with applications. For those with limited anatomy background, have any general A&P text, such as Marieb or Salladin, for the fundamentals, and then use this text to move forward to ensure a solid understanding of the material, for success.

It is like a manual of human body. I am currently reading metabolism of lipid highlighting every other sentences. I also have Constanzo's Physiology and read some sections, but this book is much more detailed and, to me, it was easier to grasp the concepts of each body system. I am enjoying reading this little by little and am glad got this one. Highly recommended.

I read the negative reviews before I buy a book and while on searching for something else I happened on the negative (one or two stars) reviews for this book. As to the one-star review, "worst book I ever purchased" that's really hard to believe. The worst? I guess the reviewer doesn't read a lot. And not to be too provocative, the problem with this book perhaps lies with the reader. As to the others, I am reminded of the science of taxonomy. You can classify animals in many different ways. As an example the Order Carnivora contains animals that are carnivores and animals that are not (think Panda). And there are other Orders whose members are carnivores. What's a mother to do.... So as to "it's all over the place" Lipid digestion could go under metabolism or the Small Intestine or Enzymes - or it could go in segments in all three. That's not the fault of the authors, it's just the way the human body is put together and how we choose to view its various functions. Guyton (and now Hall) has always been the initial "goto" when I needed to research a specific physiological function.

I prefer Costanzo's Physiology to this book. This book talks in circles and is incredibly repetitive within the chapters and within units. Costanzo is straight forward, shorter, and focuses on the big picture. Costanzo also writes BRS Phys. If my medical school didn't test out of Guyton and Hall then I would use Costanzo's without a doubt.

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