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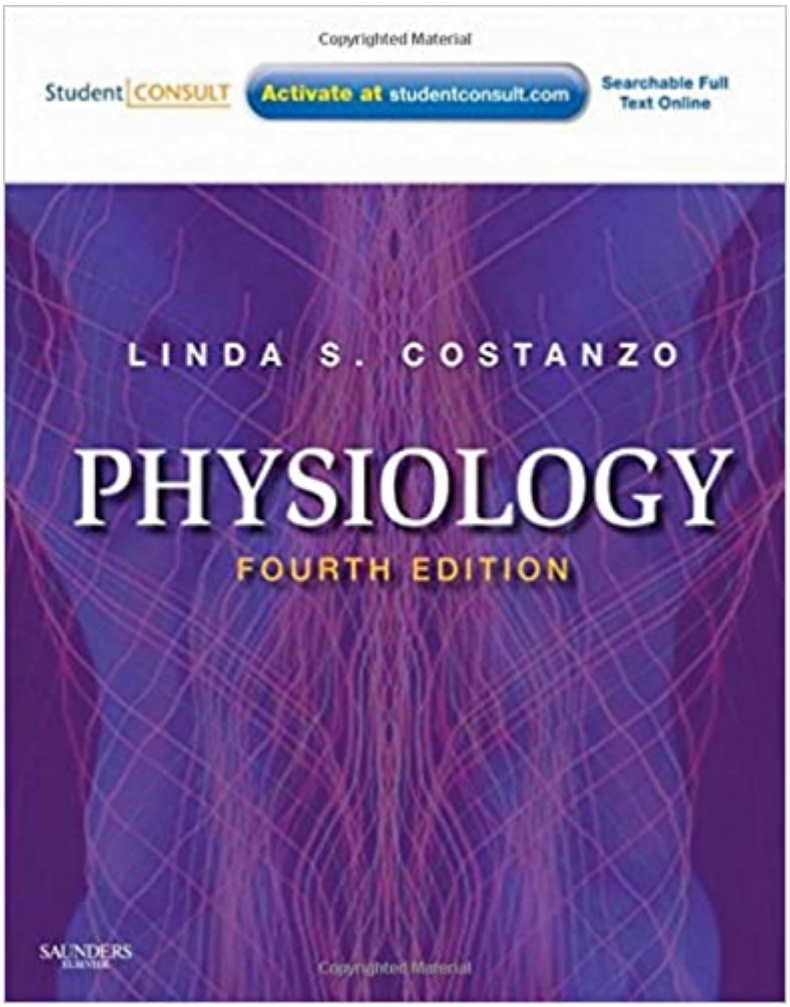

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Synopsis

Physiology is a comprehensive presentation of core physiologic concepts with a focus on mechanisms. Renowned physiology instructor Linda S. Costanzo covers important concepts in the field, both at the organ system and cellular levels. Easy to read and user-friendly, the revised fourth edition stresses essential and relevant content with absolute clarity and includes concise step-by-step explanations complemented by numerous tables and abundant illustrations. It provides information on the underlying principles of cellular physiology, the autonomic nervous system, and neurophysiology, as well as the cardiovascular, respiratory, renal, acid-base, gastrointestinal, endocrine, and reproductive organ systems. This book is ideal as both a textbook and as a review guide for the boards.Provides step-by-step explanations and easy-to-follow diagrams clearly depicting physiologic principles. Integrates equations and sample problems throughout the text. Presents chapter summaries for quick overviews of important points. Contains boxed Clinical Physiology Cases to provide you with more clinical examples and a more thorough understanding of application. Provides questions at the end of each chapter for an extensive review of the material and to reinforce your understanding and retention. Offers a full-color design and all full-color illustrations throughout. Features access to www.studentconsult.com - where you'll find...the entire fully searchable contents online, plus high-yield student FAQs with thorough explanations; integration links to bonus content in other STUDENT CONSULT titles; and more. Features increased coverage of pathophysiology in the neurophysiology, gastrointestinal, renal, acid-base, and endocrine chapters to emphasize this important component of the USMLE exam. Incorporates further practice in solving physiology equations through the inclusion of additional problem-solving questions throughout the text.

Book Information

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Customer Reviews

As a medical student... I want to say "F" Guyton, Boron, Hall, Rhoades, and Bell... seriously. There is no way I have time to read what's covered in those ginormous heavy a$$ books. I'm slightly annoyed that I did not find out how flipping awesome Costanzo's physiology book is until half way through my first year of medical school. This book along with the Thieme anatomy atlas and Pre-test practice questions are *the* most important books I own as a first year medical student.I see myself using it as a reference during second year as well. It's soooo easy to read. She gets to the point. I need to understand what's going on and then apply it clinically. I am not interested in learning about every single detail to go out a develop a chemical marker for a disease process... otherwise I'd be a doctoral student and not a medical student.

I'm a first year medical student and used this book for our physiology class after trying the one the professors recommended and hating it. Constanzo was recommended to me by a second year student and they were spot on. Things are organized in a very logical way and combined with the clear explanations made things very easy for me to understand. Our recommended course text on the other hand was very dense and often explained concepts in a way that was much more complicated than necessary, so Constanzo saved me. Since each section is an easy read and not that lengthy it was also easy for me to read Constanzo on top of the rest of my course work, it was never too time-consuming to do. And I did really well in phys so this book definitely paid off for me. I also liked that there are a lot of diagrams all in color and good summary tables throughout. There's also a bit on pathophysiology at the end of each section giving a good introduction to some of the main renal, CV, etc. conditions. Finally because the book is only ~500 pages from cover to cover it's less than an inch thick and doesn't weight that much so I could easily carry it around with me to study out of without feeling like I just put a brick into my bag. I can easily see why Constanzo is so popular both as a textbook for courses and for board review (with the smaller BRS physiology version). I definitely recommend this book for medical students.

For some unexplained reason my professor hates this book. However, he is a terrible lecturer and

without this book there is no way that I would have passed my first semester of M1 physiology. This book is concise and keeps the information easy and understandable. She will often explain a concept and then will have an example that will follow to make things more concrete. Plus there are these "challenge yourself" questions which asks questions of you (with answers provided) that really helps you solidify and repeat what you have learned. There are times that you may want a little more detail than what Costanzo is offering, but those times will be few and far between. I also have the physiology book by Boron and Boulpaep (B&B), which is very detailed book and fills in those details that Costanzo leave out, but unless you have a lot of time to study, there is no way that you will be able to read B&B as quickly and as straight forward as Costanzo.I am a big fan of physio books. I have 4 of them, and this by far is the best. The only thing that I would say is a short coming of the book is that there are certain topics that you might not expect to find under a particular section. All the information is there but maybe a few times you may have to look in a different section of the book than you would have expected to find the information.

I bought this book to supplement my classes and have learned an immense amount of information from it. Dr. Costanzo does an amazing job making you understand all human physiology and even sometimes briefly explains pathophysiology. I have read the book front to back and would HIGHLY recommend for any studie t studying human physiology.*TIP: I would also highly recommend buying BRS Physiology which is also written by Dr. Costanzo and it basically a "Sparknotes" type summary of each chapter with practice questions.

Knowing physiology well is very important to doing well on Step 1. It makes understanding pathology and pharmacology much easier. This book is as high-yield as you can get. It is written in a conversationalist tone, concise, and has very helpful graphics. My only regret is that I did not use it throughout my MS1 year. Any product by Constanzo (I have also read her BRS physio book and it is terrific) is a must. Thank you Dr. Constanzo for your terrific books. Your graphics are very helpful and make learning much easier.

Med Student. Excellent text with lots of great graphs, tables, etc. It might be a LITTLE too extensive... i.e. it might not be a good book for Step 1 seeing as its a couple hundred pages. But its great for first year med student to read along with their course notes. It definitely puts the information into perspective and reading the same information 2 different ways helps to consolidate the information. By the time boards role around you'll use this text as a reference, and not have to

read it again for Step 1.

Since this book already has so many great reviews, there isn't much more I can say. I bought this book to help me out with physio in Veterinary school. It is AMAZING. I was really struggling with cardiology and now I really enjoy the subject. The diagrams are great, the text is simple to understand, I am in love with this book! I can't believe how much it has helped me, and how cheap it is compared with other books. This is the best purchase I have made for text books in school.

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