

A Good Story

Anatomy & Physiology: The Unity of Form and Function tells a story made of many layers including the core science, clinical applications, the history of medicine, and the evolution of the human body. Saladin combines this humanistic perspective on anatomy and physiology with vibrant photos and art to convey the beauty and excitement of the subject to beginning students.

To help students manage the tremendous amount of information in this introductory course, the narrative is broken into short segments, each framed by learning objectives and self-testing review questions. This presentation strategy works as a whole to create a more efficient and effective way for students to learn A&P.

“This book is a great marriage of form and function. It provides students with interesting, accurate information, introduces them to clinical situations, and cleverly distinguishes between the important and the unnecessary.”

–Amy Nunnally
Front Range Community College

Storytelling Writing Style vii–ix
Appropriate Level
Interactive Material
Interesting Reading

Artwork
That Encourages Learning x–xi
Sets the Standard
Conducive to Learning

Pedagogical Learning Tools xii–xiii
Engaging Chapter Layouts
Tiered Assessments Based on Key Learning Objectives

Innovative Chapter Sequencing xiv

New in the Fifth Edition

It's not unusual to hear textbook cynics say that new editions are just the same material bound in new covers, but that certainly isn't true of this one. Just listing my fifth-edition changes came to 113 pages and 50,000 words.

–Ken Saladin

New! Revision of Chapter 20 This chapter on blood vessels now takes a regional approach. Instead of describing all the systemic arteries from head to toe and then starting over at the head to describe all systemic veins, the author now addresses each body region and describes its arterial inflow and venous outflow back-to-back. For example, Saladin treats the arteries and veins of the head and neck, then arteries and veins of the thorax, then arteries and veins of the upper limb, and so on. This is a more structurally and functionally integrated approach that is more conducive to memory. Students will also see more clearly that the arteries and veins of a given region often have parallel names (*subclavian artery* and *subclavian vein*, for example).

New! Science Updates in the Fifth Edition!

- mechanism of osmosis
- gene regulation
- cancer genes
- epidermal keratinization
- tissue engineering
- stem-cell controversy
- evolution of skin color
- sunscreens and skin cancer
- genetics of malignant melanoma
- osteocalcin, a new bone hormone
- athletic use of creatine
- Alzheimer disease
- appetite-regulating hormones
- advances in diabetes mellitus
- platelet production
- ovarian folliculogenesis
- advances in contraception

“In comparing the 5th [edition] to the 4th, it is clear that effort is put into every paragraph to ensure consistency, clarity, and accuracy. We love the 4th, but Chapter 6 in the 5th is even better.”

–Judith Megaw
Indian River State College