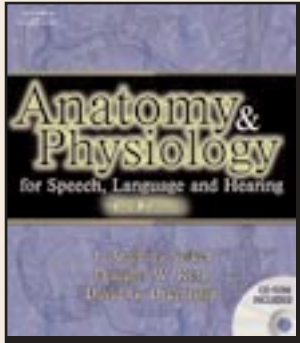


Anatomy & Physiology for Speech, Language & Hearing, 3E



ISBN: 1-4018-2581-8,
(C) 2005
752 pp, 8 x 9 1/4
Hardcover

*By J. Anthony Seikel, Ph.D., Douglas W. King, Ph.D. and
David G. Drumright, B.S.*

This text is unique in the market for its specialized exploration into the speech, language and auditory systems of the human framework. Now in its third edition, Seikel (Idaho State University) and his co-authors have developed a textbook focused on topics of speech pathology and audiology, an in depth survey into the anatomy of this region that demonstrates how each of these independent systems is intricately inter-related.

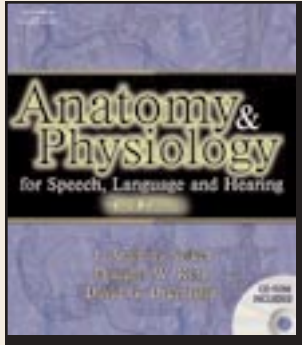
The text begins with a nice overview of anatomy and physiology, including a review of the parts of the body and pertinent terminology. From here, we move into the "building blocks" of life, with discussion of organs, tissues and the systems that govern the body. Once these basics are covered, the authors then begin their focus on the systems that drive our ability to speak and hear.

Many texts devoted to the study of anatomy and physiology tend to leap quickly over this material, and instead will focus on the more popular areas of study (like neurology or the circulatory system). And that is exactly why Seikel's book stands out: it gives the student a chance to engage in a detailed study of these regions.

As the text moves forward, we are led through the many interlocking systems of the body responsible for speech and hearing. For example, a standout chapter on the anatomy of respiration allows the student to begin to understand that vocalization is a by-product of breath; it simply cannot occur unless a multitude of other interactions are happening simultaneously within the body. And the same is true for the material that covers the ear. In *Anatomy/Physiology*, careful consideration is given to the fact that the organ systems of the human body are intricate and inter-related, with many neurological reactions occurring that allow us to process sound and then store it within our minds and memories. One of the best aspects of this text (in addition to its organization and clearly written passages) is in its ability to make the student aware that the study of one particular organ system must begin with a thorough understanding of the body as a whole. Seikel, King and Drumright have accomplished this in glowing terms.

Recommended as a primary course text in advanced anatomy/physiology and biology courses designed to train Audiologists and Speech-Language Pathologists. Also recommended to Health Science libraries as a general reference text. A truly unique text impeccably designed.

REVIEWED BY:
John Aiello
The Electric Review



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This book is designed to educate students on the basic anatomy and physiology involved in speech, hearing, and swallowing. It also includes interactive study software.

The purpose is to provide education on the anatomical structures of the speech and hearing systems, as well as their function and relationships to one another. This information is crucial for higher level learning in speech and hearing sciences and the authors are successful in meeting their objectives.

This book is written for upper division undergraduate students and/or graduate students in the fields of speech-language pathology and audiology, according to the authors. It appears from their biographies that the authors are credible authorities.

This is a general overview of anatomical terminology, and anatomy and physiology of respiration, phonation, articulation and resonance, mastication and deglutition, and hearing. It also briefly discusses neuroanatomy and neurophysiology important for speech and hearing. The pictures and diagrams help make the complex material easier to comprehend. Most of this information is new to students, and the pictures/diagrams help them to visualize the structures and functions being discussed. The supplemental CD is also an excellent way to facilitate multimodal learning. Students who have difficulty fully comprehending the text find the animations and questions on the CD extremely helpful.

This is a useful publication for a speech and hearing sciences curriculum. It provides an excellent foundation for further learning in the field. Students who are new to the information in this book will find that it is related in a concise manner with language that is moderately easy to follow. The supplemental CD helps to facilitate complete understanding of the material via interactive technology. The authors have also acknowledged the importance of swallowing physiology by dedicating an entire chapter to it. Given the importance of swallowing disorders in the field of speech-language pathology, this addition justifies replacing the prior edition.

- *Doody's Review*

REVIEWED BY:
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