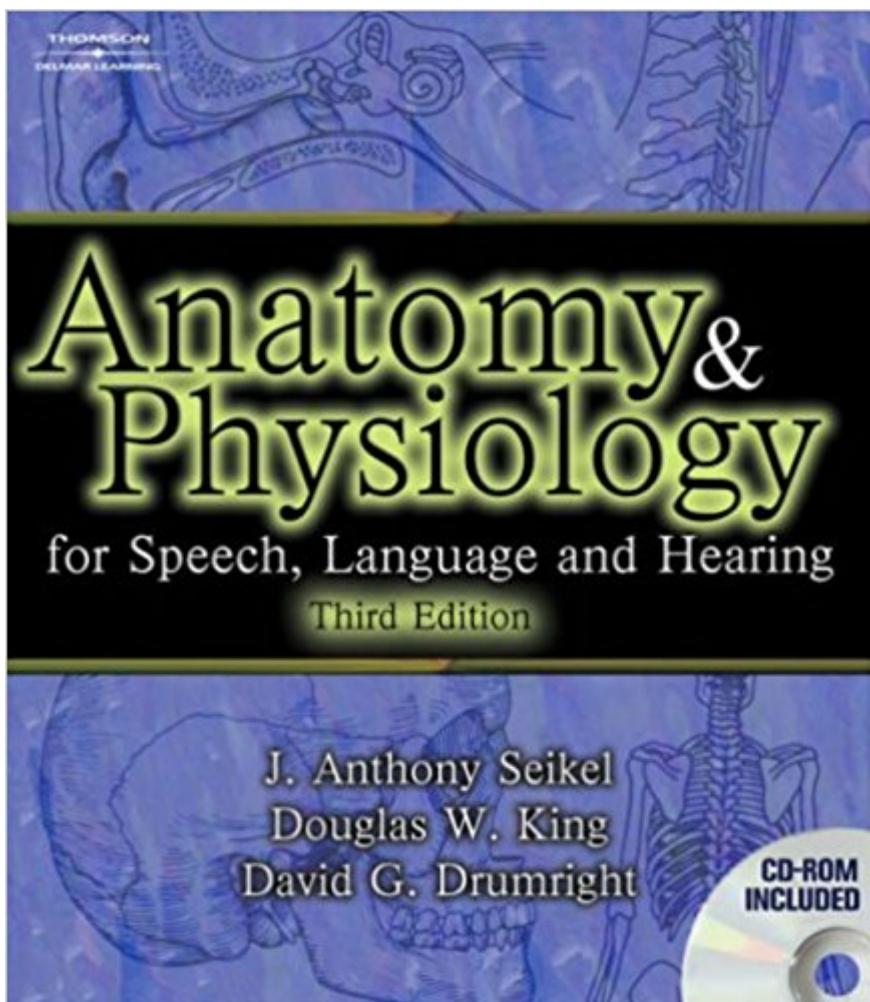


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# Anatomy And Physiology For Speech, Language, And Hearing



## **Synopsis**

Revised and updated with a vibrant new two-color interior design, this third edition of the best-selling Anatomy and Physiology of Speech, Language, and Hearing continues to make anatomy and physiology accessible to the reader. While organized around the classical framework of speech, language, and hearing systems, anatomy and physiology components are treated separately to facilitate learning. Clinical information is integrated with everyday experiences to underscore the relevance of anatomy and physiology to communication sciences. Accompanied by the new Anatesse CD-ROM, which offers interactive learning materials, self-study tests, diagrams, animations, and more, this book provides the user with everything needed to master the content. This exciting new edition is a must-have comprehensive book on the science critical to understanding speech, language, swallowing, and hearing systems.

## **Book Information**

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## **Customer Reviews**

This book offers a broad coverage of the underlying structures and processes of speech. Beyond a primitive stage, man is unique in his ability to convey information by using his voice. And he has developed this ability from systems designed for more vital goals (eg., respiration and nutrition). In this respect, the work by Seikel, King and Drumright proves a great resource for studying the entire apparatus involved in voice production and perception, specifically the systems of respiration (energy source), phonation (voicing), articulation and resonance filtering), mastication and deglutition, hearing, and neural. Furthermore, it includes several appendices for quick access to anatomical

terms, morphology of terms, muscles, sensors and nerves, and a review of pathologies affecting production of voice. What I liked the most about the book is that you are systematically guided through all the germane systems, and when pertinent, the book provides references for deeper understanding of the material. Besides, after you have read sufficient content, the book shows summaries for reinforcement of the learnt concepts. Also, there are clinical notes distributed throughout the text, with germane discussions (related processes, pathologies, etc.). And every chapter has a set of questions for assessment of your understanding (do not worry, answers are included!). If you are concretely focused on speech production, this book is a gold mine. They review the Source-Filter theory of speech production, and you can somewhat independently approach the excitation source and the filter ("shaping" of the source signal in the supraglottal airways). There is also an interesting discussion of the Central Control Theory and the Action Theory Model for coordinated articulation.

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