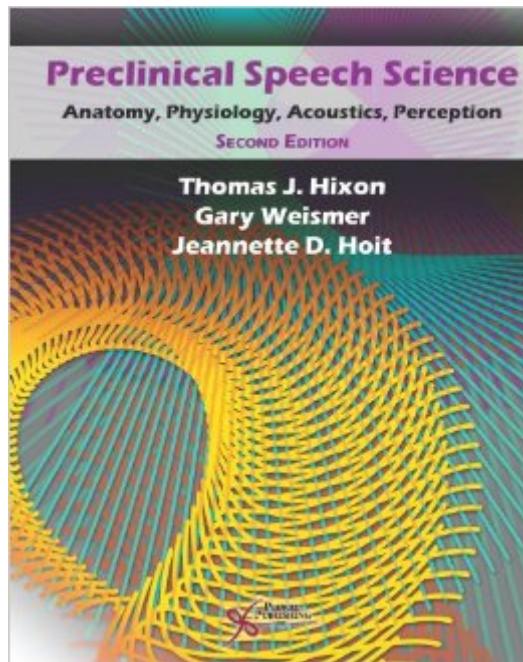


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# Preclinical Speech Science: Anatomy, Physiology, Acoustics, And Perception, Second Edition



## **Synopsis**

Preclinical Speech Science: Anatomy, Physiology, Acoustics, Perception, now in its second edition, is the text of choice for undergraduate and graduate courses in speech science. Written in a user-friendly style by three distinguished scientists/ editors/ clinicians who have taught the course to thousands of students at premier educational programs, the text comprehensively covers anatomy, physiology, acoustics, perception, and swallowing. This book helps speech-language pathologists in training understand the science that underpins their work and provides a framework for the evaluation and management of their future clients. It provides all that instructors need to ensure that their students are fully ready for their clinical practicum training. Describes scientific principles explicitly and in translational terms that emphasize their relevance to clinical practice Features original, full-color illustrations and artwork designed to be instructive learning tools Includes clinical scenarios woven into the text to emphasize the relevance of the concepts presented and focus the discussion on humanistic values Incorporates analogies that aid thinking about processes from different perspectives Features "sidetracks" that relate interesting historical and contemporary facts to the discipline of speech science Provides a framework for conceptualizing the uses, subsystems, and levels of observation of speech production, speech, and swallowing Includes material that is ideal for preparing both undergraduate and graduate for clinical study The second edition of Preclinical Speech Science includes updates of existing chapters, plus a comprehensive, detailed new chapter titled "Brain Structures and Mechanisms for Speech, Language, and Hearing." As in the first edition chapters, this new chapter contains beautifully drawn, full-color, detailed artwork to facilitate the task of learning nervous system structures and physiology. The chapter concludes with a unique section on a brain-based model of communication skills in humans. With its new chapter, plus the updates to the first-edition chapters, Preclinical Speech Science, Second Edition has solidified its place as a leading textbook for undergraduate and graduate coursework in speech science.

## **Book Information**

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