

## Literary Review

# A review of: Applied Anatomy and Physiology of the Speech and Hearing Mechanism, by Hugh E. Bateman and Robert M. Mason (1984)

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## Book Reviews

***Applied Anatomy and Physiology of the  
Speech and Hearing Mechanism***

by Hugh E. Bateman, Ph.D.  
and

Robert M. Mason, Ph.D., D.M.D.

Charles C. Thomas, Publisher, Springfield, IL  
Published 1984

636 pages; over 500 illustrations \$39.75

This book was written as a comprehensive text for both beginning and advanced students of speech pathology and audiology and as a valuable reference book for practicing clinicians. It provides extensive narrative information, supplemented by excellent photographs and illustrations.

The authors cover material above and beyond that which is usually found in speech and hearing anatomy textbooks. Their intention is that the speech pathologist/audiologist needs to understand normal as well as abnormal anatomy, physiology, growth, and development and that we must be able to communicate effectively and knowledgeably with members of the medical and dental professions.

Such topics as gross anatomy, embryology, respiration, phonation, and laryngeal physiology, the skull, the dentition, and the oral, nasal and pharyngeal cavities are explained and depicted technically but clearly and concisely. The anatomical structures, the musculature, and the nervous system innervation of the speech and hearing mechanism are presented, including both normal aspects and possible aberrations. There is a very good description of neuroanatomy and neurophysiology, dealing with the brain, the spinal cord, and the cranial nerves.

The final chapters give specific principles and procedures for performing a complete orofacial examination, interpreting cephalometric x-rays, doing indirect laryngoscopy and pitch assessment, and evaluating the integrity of the cranial nerves.

This text fulfills its purposes admirably and would be a vital addition to the professional library.

***Evaluation and Treatment of  
Swallowing Disorders***

by Jerilyn Logemann, Ph.D.

College-Hill Press, Inc. San Diego, CA

Published 1983

249 pages

\$27.50

The author of this text has devoted ten years to clinical research in the diagnosis and treatment of patients with swallowing disorders. She stresses the importance of a team approach, involving the patient's physician, radiologist, nursing staff, nutritionist, and swallowing therapist (who might or might not be a speech pathologist). The primary concerns in dysphagia therapy are maintaining adequate nutrition, improving the patient's swallowing function, and protecting the patient from aspirating food or liquid into the lungs, during oral feedings.

Chapters include:

Anatomy and Physiology of Normal Deglutition  
Disorders of Deglutition  
Evaluation of Swallowing Disorders  
Management of the Patient with Disordered Oral  
Feeding  
Swallowing Disorders After Treatment for Oral  
and Oropharyngeal Cancer  
Swallowing Disorders After Treatment for  
Laryngeal Cancer  
Swallowing Disorders Associated with Neuromus-  
cular Disorders  
Medical Treatment for Swallowing Disorders

This book contains a great deal of useful information and should be studied thoroughly by anyone who is interested in or involved in treating dysphagic patients.

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