

"Nystagmus, particularly the infantile forms, has had relatively few researchers devoting much attention to it, resulting in an excess of misinformation and the consequence that many patients never receive the care they should. This book should go far to remedy this, having been written by the top collaborative team of clinician and scientist researchers. The extensive, detailed focus on clinical management—always backed by solid science—means that this book belongs on the shelf of any clinician who cares how their patients' eyes move."

Larry Alan Abel, MD, Senior Lecturer, Department of Optometry & Vision Sciences, The University of Melbourne, Melbourne, Australia

This timely volume outlines the understanding, evaluation, and treatments of nystagmus in infancy and childhood. Aligning this condition with advanced concepts of developmental brain-eye diseases and summarizing novel treatment paradigms, the authors provide an authoritative resource for both clinicians and scientists in the care of infants and children with nystagmus.

The chapters comprised here offer valuable coverage in all relevant areas related to nystagmus:

- algorithms for examination
- descriptions of diagnostic techniques
- medical, surgical, and alternative treatments of the visual system in infants and children
- methodologies for investigation, including analysis software, models of the ocular motor system, and current hypotheses on the pathophysiology of ocular motor oscillations

Unlike earlier works on this topic, emphasis is placed on the motor mechanisms that cause the various types of nystagmus rather than the diagnosis or treatment of the afferent visual deficits that may accompany them. The study of each type of nystagmus using accurate eye-movement recordings serves as the foundation for differential diagnosis and treatment options. Each chapter summarizes the results of ocular motor research in a narrative manner, identifying the important ideas and observations that point to underlying neurophysiological mechanisms.

Based on insights from the authors' combined 75 years of clinical experience, *Nystagmus in Infancy and Childhood* is a valuable clinical reference for ophthalmologists, neurologists, and other specialists in the treatment of this condition.

RICHARD W. HERTLE MD, FACS, FAAO, FAAP, is Director of the Children's Vision Center and Chief of Pediatric Ophthalmology at Children's Hospital Medical Center of Akron. He is also Professor of Surgery in Ophthalmology at the Northeast Ohio Medical University in Rootstown, Ohio.

LOUIS F. DELL'OSSO, PhD, is Professor Emeritus in the Department of Neurology at Case Western Reserve University and Director Emeritus of the Daroff-Dell'Osso Ocular Motility Laboratory.

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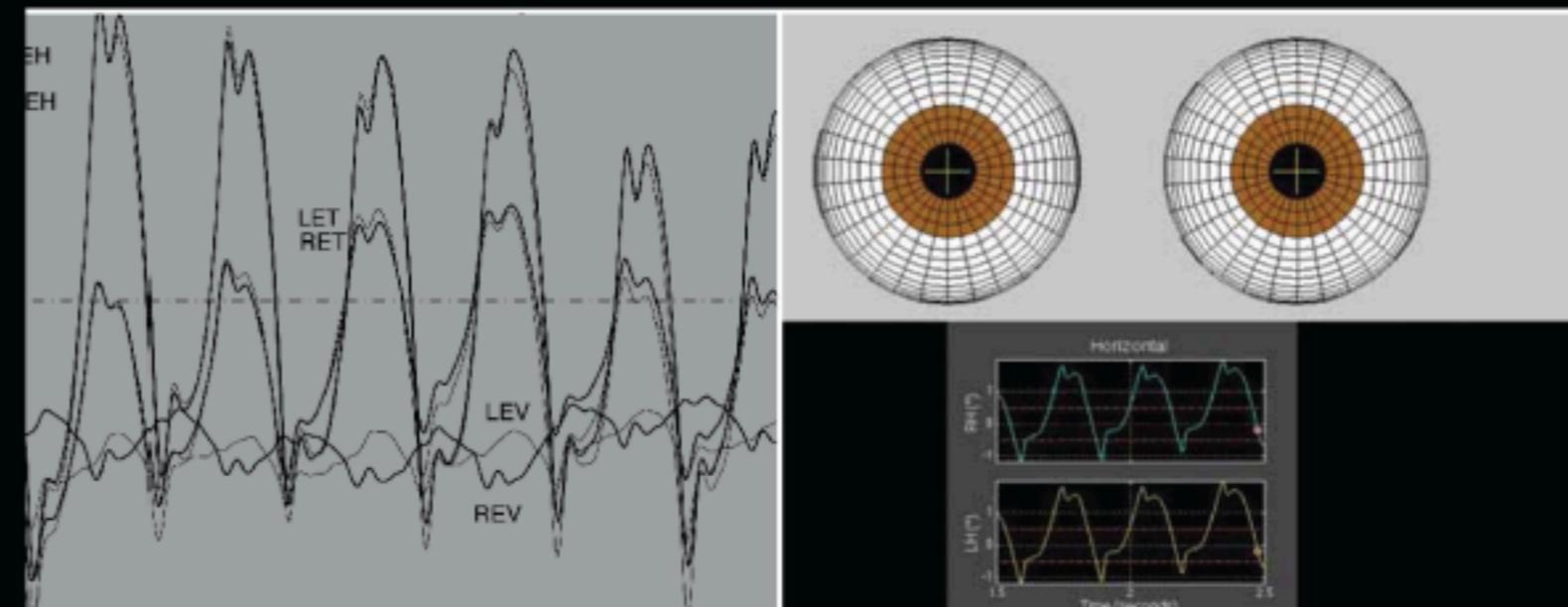
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Current Concepts in Mechanisms, Diagnoses, and Management



Richard W. Hertle and Louis F. Dell'Osso

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