A comprehensive review of the most current studies and research, Myron Yanoff’s second volume of “Advances in Ophthalmology and Optometry” is a collaborative effort to assimilate all the latest knowledge in a strategic and favorable way. Following last year’s first and well-received volume one, Dr. Yanoff continues to recognize important areas of major development and controversy and invites expert ophthalmologists and optometrists to contribute original articles dedicated to these topics.

Dr. Yanoff leads a distinguished editorial board, selected for their valuable expertise and professional experience in their respective specialties. This advantageous approach allows the reader to indulge in the most up-to-date research, while also receiving insight from some of the top experts in the field. The editors were pleased with the success of volume one, and plan to create this compilation yearly.

The preface, written by Dr. Yanoff, professor at the Drexel University College of Medicine, sets the stage for the scope of this text. As he voices to the reader, this book serves as a collection of “hot topics” impacting the field of ophthalmology and optometry. Equally important, the book guides the clinician on how to approach these relevant topics now, and suggests how to proceed in the future.

With a personal interest in developmental optometry, I found the subject of the epidemiology and strategies for intervention of myopia particularly beneficial and intriguing. Throughout the pediatric section, the reader becomes well aware that myopia is not just a type of refractive error: it’s a disease and a staggering epidemic. The authors deliver an enlightening article on the prevalence of myopia, the risks for visually significant sequelae in pathologic myopia, and associated research for myopia control interventions. The research reminds us to take action to lower the risks and complications of this rapidly growing major public health issue. The search for strategies to dampen myopia progression, however, emphasizes the fact that currently, no clinical practice guidelines exist regarding the various treatments for myopia control.

From a neuro-optometric standpoint, I also found the detailed update on acquired nystagmus quite instructive and astounding. The article in this section describes the vast number of conditions that can affect an individual’s eye movements, while providing a deep understanding of the intricate neuro-anatomy and physiology involved in processes that cause nystagmus. An extensive review of the literature reveals the necessary assessment and clinical appearance of pathologic nystagmus, which ultimately aids in localization, differential diagnosis, and formulating of treatment and management plans for the astute clinician. In addition, the various types of nystagmus are well-organized in table format and allow ease of viewing for comparison. Thus, this section offers essential
guidelines so that these patients may be diagnosed and cared for appropriately.

The information shared in these chapters, however, is just a mere dusting of the fascinating wealth of knowledge this book encompasses and highlights. Dr. Yanoff and his section editors do an exceptional job making optometric sections of interest to ophthalmologists, and making ophthalmologic sections accessible to optometrists. Reading through the prevailing ophthalmologic research, accompanied by colored diagrams and images, will keep the reader engaged and the text pleasing to follow.

The chapters in this book establish a centralized review of the most current research covering the fields of optometry and ophthalmology. Volume two has remained consistent with providing meaningful data so that clinicians and students alike will be well-informed and equipped to uphold a standard of optimal care. It is with sincere gratification that I was gifted this book, and I thank Dr. Yanoff and his team for this compilation of essential knowledge.

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