

## Ophthalmology, 4th Edition, (in print and online) Yanoff M, Duker JS. (2013) ISBN 978-1455-7398-44, Elsevier

Shimon Rumelt<sup>1,2</sup>

Received: 29 April 2015 / Accepted: 1 May 2015 / Published online: 14 July 2015  
© Springer-Verlag Berlin Heidelberg 2015

The fourth edition of this comprehensive book in ophthalmology is evidence of its success. Indeed, this is a one-volume textbook that encompasses the entire clinical field. The book is divided into 12 sections that are arranged in an orderly manner from the external to the inner ocular and the periocular structures. The first section is basic science dedicated to genetics, starting with the fundamentals of human genetics and concluding with the genetics of ocular diseases, their diagnosis and genetic consultation. Other fundamentals of ophthalmology, such as anatomy, pathology, embryology, physiology, immunology, microbiology and pharmacology, were not addressed as independent entities in order to maintain the one-volume textbook format. However, some of their aspects have been included in relevant chapters. Portions of the text are divided into sections that include optics and refraction, refractive surgery, external and surface ocular diseases, the cornea, lens, retina and uvea, intraocular tumors, neuro-ophthalmology, glaucoma, strabismus, and oculoplastics. Emphasis is placed on diagnosis, manifestations, and treatment, both medical and surgical. Each chapter contains boxes with definitions, keys, and associated features, although some of them are not fully addressed in the text. The text is well written. Most of the subjects are covered meticulously. A few chapters, such as the one on phacoemulsification, may be expanded to include preparations and preoperative considerations, different stages of the procedure, and potential intra- and

postoperative complications and approaches to avoid and treat them. The editors are highly prolific and respected. The chapters were written by the best specialists, most of them from the States.

This edition includes new surgical methods such as femto-second laser cataract surgery, Descemet's stripping endothelial keratoplasty, Descemet's membrane endothelial keratoplasty, and hybrid techniques. The book includes key references, while the online version contains the full text and full reference list, and the reader can add notes to the text and save them. The online version also incorporates useful video clips of some surgical procedures. Having online access may be used for extending the text beyond the limits of the printed version.

High-quality, high-resolution color clinical and imaging photos and relevant schematic drawings accompany the text, and include the various imaging modalities available to ophthalmologists, such as relevant clinical photos, fluorescein angiography, ocular coherence tomography, ultrasound, and computerized tomography. A few of the images are marked with arrows to highlight the pathology, and hopefully future editions will include markings of pathologic findings and additional images for more entities.

This textbook is a valuable resource for residents and general ophthalmologists. For subspecialists, it is a reliable source from which to update their clinical knowledge on subjects both related and unrelated to their subspecialty. Hopefully, the book will continue to be updated and expanded for the benefit of the entire ophthalmic community and its patients worldwide.

Hopefully, the reader will have indefinite access to the online version of the book, and future editions will include more clinical, pathological, and ocular coherence tomography photos as well as surgical video clips, primarily in oculoplastics.

---

✉ Shimon Rumelt  
shimon.rumelt@naharia.health.gov.il

<sup>1</sup> Western Galilee Medical Center Ophthalmology, P.O. Box 21, Nahariya 22100, Israel

<sup>2</sup> Faculty of Medicine, Bar Ilan University, Zefat, Israel