

Preface

Ophthalmology is a branch of medicine and surgery that deals with the diagnosis and treatment of disorders of the eye. An ophthalmologist is a physician who specializes in ophthalmology. The credentials include a degree in medicine, followed by additional four to five years of residency training in ophthalmology. Residency training programs for ophthalmology may require a one-year internship with training in internal medicine, pediatrics, or general surgery. Additional specialty training (or fellowship) may be sought in a particular aspect of eye pathology. Ophthalmologists are allowed to prescribe medications to treat eye diseases, implement laser therapy, and perform surgery when needed. Ophthalmologists may participate in academic research on the diagnosis and treatment for eye disorders.

In the present book, fifteen typical literatures about ophthalmology published on international authoritative journals were selected to introduce the worldwide newest progress, which contains reviews or original researches on Organoids and Organ Chips in Ophthalmology, Cornea, ocular surface, and external disease, Ocular oncology, Retinal Vascular Diseases, Glaucoma Loci *ect*. We hope this book can demonstrate advances in ophthalmology as well as give references to the researchers, students and other related people.

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