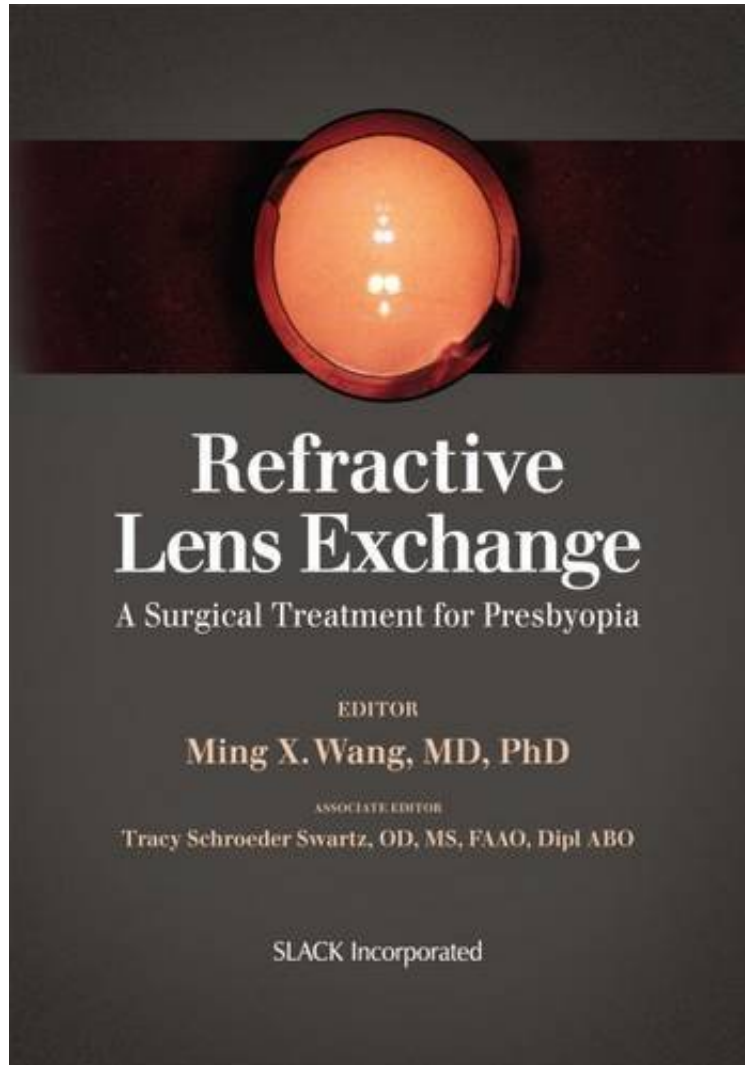


[Free] Refractive Lens Exchange: A Surgical Treatment for Presbyopia

Refractive Lens Exchange: A Surgical Treatment for Presbyopia

Ming Wang MD PhD

**Download PDF | ePub | DOC | audiobook | ebooks*



DOWNLOAD



READ ONLINE

#1655730 in Books 2015-10-15Original language:EnglishPDF # 1 11.00 x .50 x 8.50l, .0 #File Name: 1630910716184 pages | File size: 25.Mb

Ming Wang MD PhD : Refractive Lens Exchange: A Surgical Treatment for Presbyopia before purchasing it in order to gage whether or not it would be worth my time, and all praised Refractive Lens Exchange: A Surgical Treatment for Presbyopia:

Permanent surgical treatment for presbyopia remains the hereto unconquered last frontier in anterior segment surgery. Over the years, continuing innovations like Phaco, Radial Keratotomy, LASIK, and premium intraocular lenses have pushed toward this ultimate goal, but now anterior segment surgery is closer than ever with the advent of modern laser-

assisted presbyopic lens implantation. Let *Refractive Lens Exchange: A Surgical Treatment for Presbyopia*, the first book of its kind, be your guide to this fifth wave of innovation in the surgical treatment of presbyopia. Dr. Ming X. Wang, MD, PhD, joined by Associate Editor Dr. Tracy S. Swartz, OD, MS, FAAO and more than 30 expert contributors, compiled this remarkable book. Never before has there been a book dedicated to all aspects of refractive lens exchange as a permanent treatment for presbyopia, both medically and surgically. Highlights of *Refractive Lens Exchange* include: Overview of all surgical treatments for presbyopia, Dysfunctional lens syndrome and pathophysiology, Patient education and preoperative assessment, Marketing refractive lens exchange as a surgical treatment for presbyopia, New technologies in assessing dysfunctional lens syndrome, New technologies in mapping cornea and lens for refractive lens exchange, Retinal issues related to refractive lens exchange, Presbyopic lens types, indications, and contraindications for refractive lens exchange, Lens- and cornea-based astigmatism correction, Intraocular calculations for post refractive surgery eyes for refractive lens exchange, Intraoperative wavefront technology, 3D high-definition microsurgical visualization and positioning technology, Femtosecond laser application in refractive lens exchange, Postoperative care and complication management, YAG capsulotomy after refractive lens exchange: indications and alternatives, Postoperative care and complication management, Keratorefractive enhancement. Designed for newcomers as well as seasoned eyecare professionals, *Refractive Lens Exchange: A Surgical Treatment for Presbyopia* is the first book to guide ophthalmic surgeons, optometrists, and technicians through this exciting new field that is emerging as a safe and effective primary surgical treatment for presbyopia.

About the Author Ming Wang, MD, PhD, is the Director of Wang Vision Cataract and LASIK Center in Nashville, TN, Clinical Associate Professor of the University of Tennessee, and International President of Shanghai Aier Eye Hospital. Dr. Wang graduated from Harvard Medical School and Massachusetts Institute of Technology (MD, magna cum laude) in Boston, Massachusetts; holds a doctorate degree in laser spectroscopy; and completed his residency at Wills Eye Hospital in Philadelphia, Pennsylvania, and his corneal and refractive surgery fellowship at Bascom Palmer Eye Institute, Miami, Florida. He is an editorial board member of *Cataract and Refractive Surgery Today* and *Refractive Eye Care*. A former panel consultant to the United States Food and Drug Administration Ophthalmic Device Panel and a founding director of Vanderbilt Laser Sight Center, Dr. Wang published a paper in the world-renowned journal, *Nature*. This was followed by his editing of 6 ophthalmic textbooks: *Corneal Topography in the Wavefront Era* (SLACK Incorporated, 2005), *Irregular Astigmatism: Diagnosis and Treatment* (SLACK Incorporated, 2006), *Corneal Dystrophy and Degeneration: A Molecular Genetic Approach* (American Academy of Ophthalmology, 2003), *Keratoconus and Keratoectasia: Prevention, Diagnosis and Treatment* (SLACK Incorporated, 2009), *Corneal Topography in the Wavefront Era, Second Edition* (SLACK Incorporated, 2010), and *Atlas and Clinical Guide to Corneal Topography* (SLACK Incorporated, 2013). Additionally, he has published over 120 papers and book chapters. Dr. Wang has several United States patents for his inventions of new biotechnologies to restore sight, including an amniotic membrane contact lens, an adaptive infrared retinoscopic device for detecting ocular aberrations, and a digital eye bank for virtual clinical trials. His invention of amniotic membrane contact lens has been used by over 1000 surgeons in the United States in treating ocular surface diseases to restore sight. Dr. Wang is an investigator in the Food and Drug Administration clinical trial of sclera-spacing procedure to treat age-related loss of near vision (presbyopia) and UV cross-linking for the treatment of keratoconus. He introduced the femtosecond laser to China, and performed China's first LASIK procedure using this laser in 2005. He also performed the world's first femtosecond laser-assisted artificial cornea implantation (Alphacor), and the first Intacs (Addition Technologies, Inc) procedure in the United States using a new version of Intacs for keratoconus. Dr. Wang was a recipient of the Academy of Ophthalmology Honor Award, as well as the Lifetime Achievement Award of the Association of Chinese American Physicians. As the founding president of the Tennessee Chinese Chamber of Commerce, co-founder of the Tennessee Immigrant and Minority Group, and co-owner and international president of Shanghai Aier Eye Hospitals in Shanghai, China, which is the largest private eye hospital group in China today with 71 locations, Dr. Wang founded a 501c(3) nonprofit organization called the Wang Foundation for Christian Outreach to China. Dr. Wang specializes in LASIK, laser refractive lens exchange for the treatment of presbyopia, laser refractive cataract surgery, corneal and external diseases including keratoconus, and ocular surface disease treatment using amniotic membrane contact lens. He runs a busy international referral clinic for post-LASIK and post-cataract surgery complications. He founded another 501c(3) nonprofit charity, the Wang Foundation for Sight Restoration, which has also helped patients from over 40 states in the United States and 55 countries worldwide, with all sight restoration surgeries performed free of charge. Dr. Wang is a champion amateur ballroom dancer and a former finalist in the world ballroom dance championships in the open program international 10 dance. He plays the Chinese violin (er-hu) and accompanied country music legend, Dolly Parton, on her CD entitled *Those Were the Days*. Dr. Wang organized an annual classical ballroom dance sight charity event, the EyeBall, which is now in its 10th year, and has drawn attendees from all over the United States and around the world. Tracy Schroeder Swartz, OD, MS, FAAO, currently practices optometry, specializing in anterior segment disease, in Madison, Alabama. Originally from Wisconsin, Dr. Schroeder Swartz attended Indiana University for her undergraduate education. During optometry school, she served as an assistant instructor for the biology department

and became interested in pediatrics and strabismus. After completing her doctorate, Dr. Schroeder Swartz pursued a masters degree in physiological optics, specializing in pediatrics. She served as faculty at the Indiana University School of Optometry for 4 years, and earned the Indiana Chapter of the American Academy of Optometry Gordon Heath Fellowship in 1996. After completion of her masters degree, Dr. Schroeder Swartz relocated to Washington, DC, where she specialized in refractive and corneal surgery, and earned her Fellowship in the American Academy of Optometry. She later joined Wang Vision Institute in Nashville, where she served as Director of Clinical Operations, Residency Director for the Optometric Residency Program, and adjunct faculty to Indiana University School of Optometry. While there, she edited 2 textbooks with Ming Wang, MD, PhD: Corneal Topography in the Wavefront Era (SLACK Incorporated, 2006) and Irregular Astigmatism: Diagnosis and Treatment (SLACK Incorporated, 2007), as well as authoring numerous book chapters on refractive surgery, topography, aberrometry, and anterior segment disease. She served as coeditor for the literature review column for Cataract and Refractive Surgery Today from 2003 to 2008, as well as serving on the editorial board for Optometry Times. She left Nashville for Huntsville, Alabama where she became the Center Director for VisionAmerica. She edited two textbooks Keratoconus and Keratoectasia: Prevention, Diagnosis and Treatment (SLACK Incorporated, 2009) and The Corneal Handbook (SLACK Incorporated, 2010) followed by Topography in the Wavefront Era, Second Edition (SLACK Incorporated, 2011). She is a board member of the Optometric Council for Refractive Technology, and serves as the Education Chair for the organization.