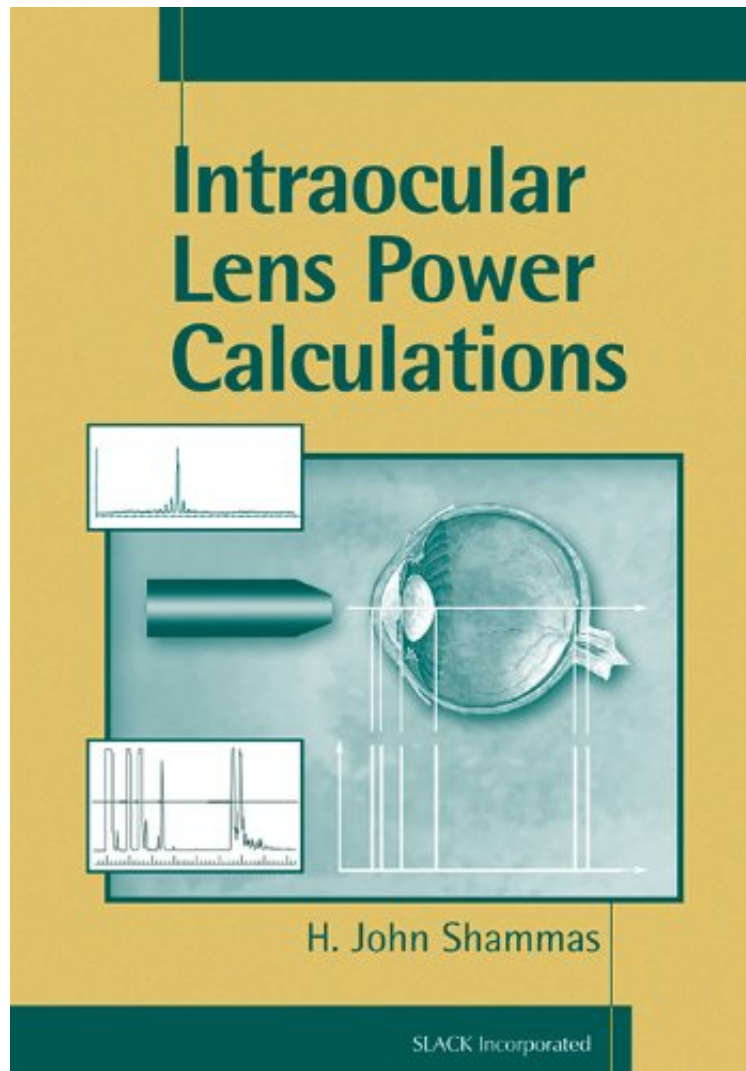


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Intraocular Lens Power Calculations

H. John Shammass MD

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H. John Shammass MD : Intraocular Lens Power Calculations before purchasing it in order to gauge whether or not it would be worth my time, and all praised Intraocular Lens Power Calculations:

3 of 3 people found the following review helpful. Highly recommended By AnmarI recommend this text for any cataract or refractive surgeon. Mathematical formulas are written and derived clearly and variables clearly labelled.

The selection of appropriate formulas and surgical techniques is vitally important to best fulfill each patient's visual needs and expectations. With over 30 years of experience, H. John Shammass, MD clearly explains the importance of intraocular lens (IOL) power calculations during preoperative cataract evaluation and their role in positively improving

surgical outcomes. Intraocular Lens Power Calculations addresses both currently used and the latest, more advanced formulas. To fully understand the application of these formulas in various situations, thorough explanations are provided. Numerous highlighted clinical applications, case reports, figures, and tables are also utilized to illustrate and reinforce key points. This well-organized text contains the most up-to-date information on axial length measurement, biometry units, constants, and ways to avoid errors. IOL power calculations and selection are included for an array of conditions ranging from the normal phakic eye to the more challenging high myopic and high hyperopic eyes, piggyback implantation, intumescent cataract, and the aphakic eye. Intraocular Lens Power Calculations updates surgeons, technicians, and students on all the techniques and formulas available to achieve the most accurate and precise calculations, thus paving the way for surgical results that fulfill patients' visual needs. Topics Include: New formulas including Holladay, Olsen, and Haigis IOL power calculations after corneal refractive surgery Calculating for emmetropia and iseikonia High precision A-scan biometry B-mode guided biometry Optical coherence biometry Selecting the proper IOL power

"The formulas are presented in a simplistic manner, which allows one to grasp the development of the formulas without having to be lost in the minutiae of the math. I found this book to be excellent in all its aspects. I highly recommend it to all. It would be an asset to residents in training as well as practicing ophthalmologists." George H.H. Beiko, BM, BCh, FRSCS, Canadian Journal of Ophthalmology About the Author H. John Shamma, MD is a clinical professor of Ophthalmology at the University of Southern California, The Keck School of Medicine in Los Angeles, California, and the medical director of the Shamma Eye Medical Center and M/S Surgery Center in Lynwood, California. As an ophthalmologist, Dr. Shamma has two major areas of interest; the first one is ophthalmic ultrasonography. He wrote his first textbook, Atlas of Ophthalmic Ultrasonography and Biometry in 1984, the second one, Three-Dimensional Ultrasound Tomography of the Eye in 1998, and edited his third one, Ultrasound in Ophthalmology, in 2000. His second area of interest is cataract surgery and how to improve its outcome. In 1991, he co-authored Color Atlas of Ophthalmic Surgery: Cataracts with Richard Kratz, MD. The combination of these two areas of interest can only lead to the subject of biometry and IOL power calculations. Dr. Shamma has published multiple articles in the American and international literature on axial length measurement and intraocular lens power calculations. As an ophthalmic surgeon, patient satisfaction is very important to him, and avoiding errors in IOL power calculations has been a primary focus of his research studies. He self-published a book on the subject in 1996. Lately, he has focused his research on those cases that had previous refractive surgery, and Chapter 18 is dedicated to this subject. This book represents the latest developments on the subject and the authors personal experience during the past 25 years.