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Cataract Surgery Essentials of Cataract Surgery So You've Got A Cataract? Cataract Surgery from Routine to Complex Cataract Surgery and Its Complications Illustrative Guide to Cataract Surgery Cataract Surgery Curbside Consultation in Cataract Surgery Cataract Surgery Cataract Surgery Eye Surgery in Hot Climates Gems of Ophthalmology: Cataract Surgery Cataract Surgery Premium Cataract Surgery Cataract Surgery And Phacoemulsification For The Beginning Surgeons The History of Modern Cataract Surgery Immediately Sequential Bilateral Cataract Surgery (ISBCS) Pediatric Cataract Surgery and IOL Implantation Cataract Surgery: Maximizing Outcomes Through Research Cataract Surgery and Its Complications The Scrub's Bible Step by Step Phacoemulsification Cataract Surgery Current Cataract Surgical Techniques Cataracts and Cataract Surgery Phacoemulsification and Intraocular Lens Implantation Cataract Surgery Complications During and After Cataract Surgery Small Incision Cataract Surgery (Manual Phaco) Challenges in Cataract Surgery Textbook of Refractive Laser Assisted Cataract Surgery (ReLACS) Cataract Surgery Modern Cataract Surgery Lens and Cataract The Cataract Surgery Book Cataracts and Cataract Surgery The Duke Manual of Corneal and Cataract Surgery A Patient's Guide To Cataracts And Cataract Surgery Pediatric Cataract Posterior Segment Complications of Cataract Surgery

Like a camera, the image captured by the optical nerves is "focused" on the back of the eye by a cornea. Cataract is defined by haziness in the lens of the eye resulting in blurry vision. The time to consider cataract surgery will depend on your individual needs. This book provides us with insights on patients' guide to cataract and the treatments involved. "A Patient's Guide to Cataracts and Cataract Surgery" is written by Dr Gerard Chuah, a leading eye surgeon in Asia and also the Medical Director of the Asian Diabetic and Retinal Disease Center and his team of doctors. A BOOK ABOUT CATARACTS FOR PEOPLE WITH CATARACTS. NO COMPLEX MEDICAL TERMINOLOGY! - from one of America's Most Compassionate Doctors, Dr. David Richardson Why YOU NEED This Cataract Surgery Book It's a curious thing. People with cataracts often have very poor vision, making it difficult for them to read. And yet, their physicians typically ask them to sift through stacks of educational pamphlets and paperwork on cataracts. The documents are often single-spaced with small print and thin margins - in short, a nightmare for someone with cataracts. What's more, the information is oozing with hard-to-understand medical jargon and procedural terminology. I really want my cataract patients to have an entirely different experience. That's why I went to work on "So, You've Got a Cataract?" This is a book about cataracts for people with cataracts. My goal is to provide the information you need to learn about your eye's condition and to make good, safe decisions about treatment. The book covers, in a language that anyone can understand, basic information about how the eye works and what is useful to know about a cataract. If you are considering modern cataract surgery, you'll find most of what you need to know within the pages of this book. You'll learn what happens during the actual procedure and what to expect afterwards. The larger page size and Kindle eBook format were specifically chosen for this project as they allow for enlarging the text size making it easier for those with poor vision to read. Buy a Book. CHANGE A LIFE! Proceeds from the sale of this book will be donated to a non-profit organization devoted to preventing blindness. When you buy the book, you are not only educating yourself, but helping change lives as well.. What You Will Learn... About Cataracts How the Eye Works What Is a Cataract? Cataract Symptoms When to Consider Treatment Myths about Cataract Treatment What You Need To Know About Cataract Surgery Modern Cataract Surgery A word about no-stitch surgery Preparing For Cataract Surgery The Weeks Before Surgery The Night Before Surgery What To Expect The Day of Surgery At the Surgery Center After the Procedure The Days After Surgery Activities Why You Might Still Need Glasses Intraocular Lenses Why You Need An Implant Your Options The Decision Points Risks of Cataract Surgery Possible Complications Cataract Surgery and Glaucoma If You Have Early or Well-

Controlled Glaucoma If Your Glaucoma is Moderate or Requires the use of Drops If You Have Advanced or Poorly-Controlled Glaucoma Cataract Surgery with Other Diseases Diabetic Retinopathy Macular Degeneration Prostate Medications A Word About Laser Cataract Surgery Enter the Femto Laser Appendices How To Choose A Cataract Surgeon Sample Document "INFORMED CONSENT" Concise, authoritative, and easy to navigate, The Duke Manual of Corneal and Cataract Surgery offers a step-by-step, highly illustrated approach to the most commonly performed procedures in corneal and cataract surgery. Ideal for cornea and cataract specialists, ophthalmic surgeons, residents, and fellows, it contains practical guidance from Drs. Nandini Venkateswaran and Preeya K. Gupta, as well as other experts at Duke University, making it an unparalleled "how-to" manual for the wide variety of cases and operative scenarios you may encounter. Surely the threat of blindness from whatever cause, is an event faced by an ever-growing segment of our aging population. However, when the cause was cataract formation, over the centuries a definite treatment evolved and became available to help those afflicted with this problem, from couching, through crude extra-capsular Graeffe knife extraction, intra-capsular cataract surgery, and planned extra-capsular surgery, to phacoemulsification (ultrasound or laser). Doctors, therefore, recognized very early that there was one blinding condition which could be treated and in which vision could be i. Cataract Surgery: Maximizing Outcomes Through Research provides cataract surgeons with helpful information about cataract operations based on the latest fundamental and clinical research. This book comprehensively covers a wide range of topics from the basic principles of each treatment to today's hot topics such as femtosecond laser application, cataract surgery, and new intraocular lenses (IOLs) with accommodating or light-adjustable function. Detailed cutting-edge discussion is provided in each chapter with the addition of diagrams, photographs, and tables to help readers better understand the subject. Authored by leading international experts, the book covers topics from preoperative evaluations to postoperative care including evaluation of accommodation and pseudo-accommodation, glistening and visual function, the eye's image quality with a premium IOL, IOL power calculations, pupil size and postoperative visual function, posterior capsular opacity, corneal astigmatism, femtosecond laser techniques, and more. Cataract Surgery: Maximizing Outcomes Through Research is the perfect book for cataract surgeons and general ophthalmologists who wish to update their knowledge and make use of it in their everyday medical practice. Since phacoemulsification is the norm for cataract surgery today, it is essential that the basic steps for this established procedure are mastered by all. In this concise text, the illustrious Drs. Agarwal - Sunita, Athiya and Amar - teach the reader step by step techniques and procedures that make it possible to extract a cataract and implant a lens through the smallest of incisions. In addition to the basics, the authors cover no-anesthesia cataract surgery and the management of complications like dropped nuclei. Clearly presented and easy to follow, Step by Step Phaco is prescribed reading for all involved in the routine of cataract surgery. Are you looking for concise, practical answers to those questions that are often left unanswered by traditional cataract surgery references? Are you seeking brief, evidence-based advice for complicated cases or complications? Curbside Consultation in Cataract Surgery: 49 Clinical Questions provides quick and direct answers to the thorny questions most commonly posed during a "curbside consultation" between surgical colleagues. Dr. David F. Chang, and associate editors Dr. Terry Kim and Dr. Thomas A. Oetting, have designed this unique reference in which 49 of the top cataract consultants in North America offer expert advice, preferences, and opinions on tough clinical questions commonly associated with cataract surgery. The unique Q&A format provides quick access to current information related to cataract surgery with the simplicity of a conversation between two colleagues. Numerous images, diagrams, and references are included to enhance the text and to illustrate surgical pearls. Curbside Consultation in Cataract Surgery: 49 Clinical Questions provides information basic enough for residents while also incorporating

expert pearls that even high-volume cataract surgeons will appreciate. General ophthalmologists, residents, and cataract specialists alike will benefit from the user-friendly and casual format and the expert advice contained within. Some of the questions that are answered: - What is the best way to manage IFIS? - What should I do differently with a posterior polar cataract? - When and how do I stain the vitreous with intracameral Kenalog? - How do you explant an IOL 6 months following surgery? - Can I mix different multifocal IOLs, or multifocal with monofocal IOLs? The first clinical application of the phacoemulsification cataract surgical technique (often referred to as "phaco") was introduced in 1967 by Dr. Charles Kelman. This innovation is a big step forward for cataract surgery. With the development of intraocular lens (IOL) design, more and more premium presbyopia- and astigmatism-correction IOLs are being used in clinics. This progress has greatly improved the visual quality of cataract patients. This book discusses the basic surgical skills required to perform this procedure, premium IOL surgical design, specific surgical plans for clinically challenging cases, and more. It provides readers with a comprehensive knowledge of the current state of the art of cataract surgery and surgical design. "Cataract Surgery from Routine to Complex: A Practical Guide provides eye care professionals guidance on what to do and how to avoid potential complications in all aspects of cataract surgery, just as if the world's experts were by your side. Cataract Surgery from Routine to Complex is the combination of a practical guide with broad academic underpinnings along with current controversial subjects on cataract surgery, making it ideal for eye care professionals who wish to update their knowledge and translate it into improved surgical techniques and better cataract patient education"--Provided by publisher. Phacoemulsification with a small incision is the most common method of removing cataracts used today. Despite its popularity it is a technique that requires great skill and much practice. This book presents a broad overview of the technique, its complications and pitfalls and pays particular attention to management of patient pain and other clinical complications that may affect the operation's success. Designed to be a concise and easy-to-read reference manual that comprehensively covers the basics of every step of modern cataract surgery from preoperative evaluation to postoperative care. Detailed instructions and pearls are provided for each specific step. Each chapter contains a summary box which highlights the key points from each topic discussed. Additionally, images, diagrams, photographs, and tables are included to enhance understanding of specific topics. Offering authoritative coverage, Steinert's Cataract Surgery, 4th Edition, takes you step by step from preoperative evaluation and preparation through the full range of surgical techniques and the mitigation and management of complications. New editors, Drs. Sumit (Sam) Garg and Douglas D. Koch, along with a who's who list of top international experts, provide practical technical guidance on all aspects of cataract surgery in a newly streamlined, easy-to-read format. From IOL calculations to glaucoma and astigmatism considerations, perioperative drug delivery to methods of iris repair, this up-to-date 4th Edition delivers essential clinical information, core foundational knowledge, and advanced techniques from cover to cover. Features expert tips on common pitfalls in cataract surgery, including advanced surgical pearls to maximize patient outcomes. Contains 10 new chapters covering Modular Intraocular Lenses (IOLs), Femtosecond-Laser-Assisted Cataract Surgery, Preoperative Evaluation and Considerations of Astigmatism, Toric Intraocular Lenses (IOLs), Managing Residual Postoperative Astigmatism, Retinal Considerations in Cataract Surgery, Management of Dysphotopsia, Refractive Enhancements after Cataract Surgery, and more. Provides rich visual guidance with more than 1,200 diagnostic, clinical, and surgical photos and illustrations with clear explanations. Includes more than 50 videos of narrated surgical footage performed by the authors, offering real-time guidance on the full range of the latest cataract surgery techniques. This 25th anniversary edition of the definitive reference for cataract surgery has been completely updated, while retaining its unique blend of academic and practical material. More than just a "how to do it" book, this text offers pathogenesis and pathophysiology of complications, as well as practical advice and strategies on surgical technique. All chapters have been extensively revised, with replacement of outdated material and illustrations to keep the text as concise and clinically useful as possible. Contains fully updated and comprehensive information on what is still the most frequently performed procedure in ophthalmology today. Unique academic approach to the subject presents the pathogenesis and pathophysiology of the complications of cataract surgery. Authors are authorities in the field who provide expert information and guidance on

both surgical techniques and complications. Highly illustrated with 100 new line drawings and state-of-the-art surgical photographs in a fully updated color section. Co-authored by two renowned academicians -- sons of the highly respected Dr. Norman Jaffe -- who lend their expertise to this classic reference. Includes an extensively revised, full-colour section on the latest advances in surgical technique. Highly illustrated with newly rendered drawings of the latest procedures in cataract surgery. Features new chapters on postoperative strabismus, atonic pupil, capsule contraction syndrome, and malpositions of intraocular lenses. Maintains the manageable size of the previous edition through elimination of obsolete material and outdated techniques. With nearly three million Americans undergoing cataract surgery annually this survey is essential for those anticipating the procedure. This handbook covers the most frequently asked questions, such as What type of new lens is implanted in the eye? What type of anesthesia is used? Is there pain after the surgery? and How soon will vision improve? A photographic outline illustrating how cataracts are removed and how new intraocular lenses are implanted is also included. Reviews the anatomy, physiology, embryology and pathology of the lens. Covers the epidemiology, evaluation and management of cataracts; gives an overview of lens and cataract surgery; and explores the complications and special situations of cataract surgery. CME Information The American Academy of Ophthalmology is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. The American Academy of Ophthalmology designates this enduring material for a maximum of 10 AMA PRA Category 1 Credits. Physicians should claim only the credit commensurate with the extent of their participation in the activity. The American Medical Association requires that all learners participating in activities involving enduring materials complete a formal assessment before claiming CME credit. To assess your achievement in this activity and ensure that a specified level of knowledge has been reached, a posttest for this Section of the Basic and Clinical Science Course is provided. A minimum score of 80% must be obtained to pass the test and claim CME credit. Visit CME Central for more information. Major revision 2012-2013; 258 pages Section chair: James C. Bobrow, MD Posterior segment complications of cataract surgery are encountered not only by the cataract and retinal surgeons but also by the general ophthalmologists in their daily practice. Yet, a definitive volume on this subject is not available. Written by experts in the field of cataract surgery and vitreoretinal surgery, this book is a comprehensive, updated practical guide on evaluation and management of patients with posterior segment complications following cataract surgery. This up-to-date reference covers all aspects of the field including evaluation of a patient, and all surgical procedures currently used in managing various complication in an organized systematic fashion. Necessary surgical modalities and approaches are thoroughly reviewed with ample illustrations for better understanding. Chapter dealing with surgical complications and failure has also been included in this book. There are nearly three million Americans undergoing cataract surgery annually. This handbook is for those anticipating their procedure and covers the most frequently asked questions, such as "what type of new lens is implanted in the eye?," "what type of anesthesia is used?," "is there pain after the surgery?," and "how soon will vision improve?" Also included is a photographic outline illustrating how cataracts are removed and how new intraocular lenses are implanted. Having cataract surgery? Nearly 3 million Americans who have cataracts removed each year. In fact, it's the most commonly performed surgery in the nation. And, the numbers are expected to increase--by the year 2020, nearly 30 million Americans will have cataracts. Even though cataract surgery is a common procedure, you may find yourself feeling anxious about an operation on your eye. Ophthalmologists Paul E. Garland, M.D. and Bret L. Fisher, M.D., have performed thousands of cataract surgeries, and they understand your questions and concerns. They answer questions such as: How long should you wait to have cataract surgery? What type of anesthesia is used? How is the cataract actually removed? Most cataract surgery patients are optimistic and for good reason. I have personally performed thousands of cataract surgeries in my career, including members of my own family, and the majority of those operations were qualitatively successful. And because of the success rate of such surgeries, many prospective patients expect perfect vision restored with little or no recovery time. And more often than not, this is the ultimate result. But, as with any surgery, there are potential complications. Cataract surgery has risk and can result in increased dry eye, irritation, pain, diminished focus, unexpected recovery issues, inflammation, and even loss of vision are

possible. And that is the reason I am writing this book. To advise and educate prospective patients in their decision to undergo cataract surgery and improve their understanding of the overall risks and rewards of such surgery. Over the past fifteen years as an ophthalmologist, I have witnessed firsthand, the life changing results of cataract surgery and experienced with my patients the true joy that accompanies better and more useful vision. In this book I will be sharing not only my expertise based on education, training, and experience, along with objective and empirical evidence, but also my subjective opinions as well. And those opinions may very well differ from the opinions of other medical experts in my field. And that's okay. Just as every eye is different, the perspective through which we observe is equally different, unique, and subjective.

David Woods MD Every cataract surgeon is afraid of complications, but while complications cannot be entirely avoided, it is possible to learn to master them. This practical handbook clearly explains how to manage the various complications that may arise during cataract surgery, from a subluxated intraocular lens to a dropped nucleus. It provides the surgeon with clear instructions on how best to proceed in the manner of a cookbook, by first describing the ingredients (equipment) and preparation (planning) and then providing step by step descriptions of technique with the aid of numerous helpful color illustrations and several accompanying surgical videos. Surgical pearls and tips and tricks are highlighted. Using this book, the reader will become a better and more complete cataract surgeon, well equipped to cope with the full range of potential complications. Textbook of Laser Refractive Cataract Surgery is a comprehensive reference for the general ophthalmologist and cataract surgeon regarding the explosive new technology in femtosecond laser cataract surgery. Femtosecond laser allows extreme precision in surgery, and is used in refractive surgery and for 'cuts' in the cornea, leading to a more uniform treatment for the patient. Textbook of Laser Refractive Cataract Surgery is for cataract surgeons and all eye care providers managing or diagnosing cataracts who wish to be informed about this technology and its applications. Edited and written by recognized leaders in the field, this book covers background, technical, clinical, and commercial aspects of this exciting technology. Some of the topics covered include the evolution of cataract surgery, femtosecond laser fundamentals, challenges of femtosecond laser technology for cataract surgery, and the economics of laser cataract surgery. Edited and written by recognized leaders in the field, this book covers background, technical, clinical, and commercial aspects of this exciting technology. Some of the topics covered include the evolution of cataract surgery, femtosecond laser fundamentals, challenges of femtosecond laser technology for cataract surgery, and the economics of laser cataract surgery. Extensively revised, this state-of-the-art 3rd edition of Cataract Surgery offers new perspectives and cutting-edge coverage of the rapidly evolving field of cataract surgery. Roger F. Steinert, MD, along with a who's who of top international experts, delivers comprehensive clinical coverage of the latest surgical techniques, principles, and pearls, as well as expert advice on preoperative assessment and how to avoid and manage complications. Detailed discussions on today's hot topics such as aspheric and presbyopia IOL, phacoemulsification, and more, keep you at the forefront of this burgeoning field. And, more than 1050 illustrations and online videos of cataract procedures give you step-by-step visual guidance. Plus, with Expert Consult functionality, you'll have easy access to the full text online at www.expertconsult.com. Offers practical technical guidance from internationally recognized authorities who describe the techniques as well as offer their best advice on the operative management of cataracts. Presents a logical organization where chapter progress from preoperative evaluation and preparation through the full range of surgical techniques to management of complications. Includes more than 1050 illustrations emphasizing the most common techniques. Provides access to the full-text online at www.expertconsult.com for convenient referencing. Includes a online videos of surgical footage performed by the authors, offering you real-time guidance on the full range of the latest cataract surgery techniques, including phacoemulsification in the presence of a small pupil, toric IOL implantation, biaxial microincision cataract surgery, and many others. Features expert hints and tips on the common pitfalls in cataract surgery, including advanced surgical pearls to save you valuable time and help you avoid costly errors. Offers expanded coverage on how to manage complications, to prepare you for the challenges you face. Provides the latest information on phacoemulsification techniques, keeping you on the cusp of these popular procedures. Presents new chapters on Aspheric Multifocal, Accommodating IOLs, Color-filtering IOL, IOL design, and Capsular

opacification offering you the latest information in this rapidly advancing area. Renowned master surgeons share best practices for effectively performing cataract surgery and avoiding complications

Phacoemulsification, the gold standard for cataract extraction, is highly successful. However, the procedure is not without risks and complications. Poor visual outcome, retinal detachment, infection, diplopia, and cornea and iris problems may pose considerable challenges. Additional potential problems arise from implanting the intraocular lens (IOL). Edited by a renowned master surgeon and educator in the field, and authored by a remarkable cast of cataract experts, this is the definitive text on managing cataract surgery, with practical guidance on recognizing and managing complications, should they arise. Experts demonstrate the right way to perform phacoemulsification and diverse surgical and intraocular lens implantation procedures in order to reduce risk and improve patient outcome. This second edition is greatly expanded in size and scope to accommodate the latest state-of-the-art methodologies and refinements in surgical strategies. Since the first edition was published, new techniques for refractive cataract surgery, vitrectomy, IOL exchange, and management of IOL implantation without capsular bag support have been improved. Additionally, new technologies have been introduced such as optical coherence tomography, FLACS (femtosecond laser surgery), and implantation of toric and multifocal refractive IOLs, as well as methods to improve IOL power calculation and decision making.

Highlights A stellar group of national and internationally renowned eye surgeons provide invaluable clinical pearls gleaned from years of refining procedures Surgical videos further elucidate the most optimal surgical strategies More than 600 superb illustrations Management of challenges including small pupils, IFIS, zonular weakness, inadequate capsular support, vitrectomy, corneal burns, high astigmatism, dysphotopsias, and endophthalmitis This invaluable reference will help ophthalmologists refine their expertise, resulting in fewer risks and more efficacious outcomes. It is a must-have resource for ophthalmology residents and proficient surgeons alike. This book presents the principles and pearls for successful surgical management of challenging situations encountered during cataract surgery. A wide range of settings are considered, including cataract surgery in patients with uveitis, traumatic cataract, dislocation of an intraocular lens, intumescent cataract, brunescient cataract, combined cataract and corneal disease, combined cataract and glaucoma, pediatric cataract, and refractive cataract surgery. In addition, preoperative factors conducive to a favorable surgical result are identified and appropriate management of postoperative complications, described. As longevity increases, cataract is becoming an even greater public health issue worldwide. The use of cataract surgery, already one of the most frequently performed surgeries, is consequently increasing still further - a trend reinforced by developments in instrumentation and technology and improvements in access to surgery. However, comorbidities and challenges during surgery are very common. Challenges in Cataract Surgery will be a valuable reference for all residents, fellows, and practicing ophthalmologists who wish to improve their surgical techniques and outcomes. New cataract removal techniques, anesthesia and viscoelastic substances, and the implantation of modern intraocular lenses are essential topics in the fast developing field of ophthalmic surgery. This publication provides a comprehensive update discussing these items thoroughly. Special emphasis is given to the management of mature cataract and phacoemulsification in the vitreous cavity. Intraocular lens calculation is highlighted by optical coherence biometry, in particular, the measurements to increase the predictability of intraocular lens implantation. Implantation techniques, incision architecture and wound construction as well as Scheimpflug-photography of foldable intraocular lenses and the prevention of PCO (posterior capsular opacification) are covered. The last two articles emphasize the implantation of special intraocular lenses including piggyback intraocular lens and multifocal intraocular lens implantation. Anterior eye segment surgeons looking for an update on modern cataract surgery will find a wealth of timely information on new techniques and results in small incision cataract surgery in this publication. Immediately Sequential Bilateral Cataract Surgery (ISBCS): Global History and Methodology is a comprehensive guide for the safe and efficient performance of ISBCS. It provides an overview of the history, recommended protocols, necessary precautions, exclusion criteria, benefits and risks associated with this procedure, organizational standards, and more. Written by the most prominent ISBCS surgeons in the world, chapters recount the arguments for and against bilateral surgery that have been made throughout the ages, up to

the present, and deliver achieved and proposed resolutions to all problems discussed. Topics such as ethics and medico-legal issues surrounding ISBCS are also discussed, and a chapter on the global evolution of bilateral cataract surgery provides readers with a complete overview of the development of ISBCS practices in countries from all continents. Provides a comprehensive history and current status of ISBCS globally Provides step-by-step recommendations and precautions necessary to perform ISBCS safely, including detailed discussion of surgical infection prophylaxis with antibiotics delivered into the eye at surgery Reviews and explains the patient benefits associated with ISBCS Covers development of ISBCS practices worldwide This book discusses the types, risk factors, treatment options and potential complications of cataracts and cataract surgery. Topics include the clinical techniques used to assess the visual and optical performance of intraocular lenses; the epidemiology and morphology of cataracts; a practical guide to the management of intraoperative floppy iris syndrome (IFIS); a comparison of safety and visual improvement of phacoemulsification with sutureless single-port 25-gauge vitrectomy versus phacoemulsification alone for eyes with extremely shallow anterior chamber; teaching and learning cataract surgery; and phacolytic The book covers all clinical aspects of pediatric cataract surgery. Chapters cover basic sciences, etiology, pre-operative evaluation, choice of intraocular lenses, steps of surgery, complications, considerations in traumatic cataract and post-operative rehabilitation. It includes photographs, diagrams, flow charts and tables for easy memorization and understanding. Multiple choice questions at the end of each chapter help to evaluate the understanding and reinforce important concepts. The book aims to encourage ophthalmic surgeons to successfully treat children with cataract as all of them perform adult cataract surgeries but usually avoid managing pediatric cases. This hesitation is primarily due to exhaustive pre-operative evaluation and long term follow up. As a result the back log of this disease in the developing world is significant and many such children are unable to receive timely intervention during their crucial period of visual development. The chapters primarily focus on the clinically relevant issues to keep the reader interested. The book includes contributions from some of the most talented and experienced pediatric cataract surgeons. The book is relevant for ophthalmologists not commonly practicing pediatric cataract surgery and post graduate students. This well-known guide to eye surgery in resource poor countries focuses on the management of common and blinding diseases, notably the surgical treatment of cataract, glaucoma and the eyelid complications of trachoma. The book describes simple, cost effective procedures appropriate to low income countries such as intra-ocular lenses, the use of which has become more widespread since the last edition.

Introductory chapters on basic principles such as theatre equipment and anaesthesia are followed by chapters devoted to specific procedures such as cataract surgery, eyelid surgery and enucleation. Also included are chapters on paediatric surgery and trauma. Thoroughly revised and updated, Eye Surgery in Hot Climates Fourth Edition continues to provide relevant, practical advice for health care providers caring for eye patients in nations where blindness and visual impairment remain prevalent. All chapters revised and updated to reflect latest best practice Includes two completely new chapters on surgical training and paediatric surgery Includes DVD featuring instructional videos of cataract surgery, trabeculectomy and lid surgery for trachoma Cataract ranks high among the diseases that cause visual disability and blindness in the world.

Cataract surgery is the most common surgery performed by an Ophthalmologist. Phacoemulsification is the state of the art in cataract surgery. Learning the technique of phacoemulsification is a major challenge for the trainee and new ophthalmic surgeons. Mastering the technique requires extensive training and a steep learning curve. The authors have discussed the various steps of phacoemulsification and other techniques of cataract surgery like SICS including the difficulties and complications encountered and how to avoid them. A separate chapter deals with the techniques required to get used to an Operating Microscope and the basic principles of the equipments used.

Phacoemulsification for the beginning surgeons is to guide the trainee and new surgeons to learn the surgery in the shortest possible time in order to gain the necessary expertise to perform the surgery with confidence. Both Dr. Munirul Huq and Dr. Mehdi (Matti) Vazeen have extensive experience in cataract surgery and they believe that, the text will help the new surgeon to go through the learning curve and gain proficiency and this will also serve as a reference guide at the time of difficulty and complications. The aim is not to replace other textbooks on the topic but to share the experience of the authors for the benefit of the

new upcoming cataract surgeons. "Illustrative Guide to Cataract Surgery by Dr. Amar Agarwal is a unique book that includes clinical photographs, medical illustrations, and videos to explain the most common techniques and steps in cataract surgery. With more than 700 illustrations ophthalmologists and residents will visually learn the most essential procedures in cataract surgery, photo-by-photo. The content, comprised from leading ophthalmic surgeons, is structured into systematically divided sections such as phaco surgery, microincisional cataract surgery, challenging cases, and complications. It allows for quick reference, without having to search through voluminous books. Each image is supplemented with concise, informative text that helps further explain the techniques. In addition, video instruction is offered through a companion website, with each book purchase. Using the same approach as the book, the website presents videos that match each technique or step in cataract surgery. Just a few of the procedures explained: Vertical chopping Bioxial microincisional cataract surgery Posterior Polar Cataract Iris hooks in small pupil phaco Injectable glued IOL And more With a combination of matching photos and illustrations alongside brief text and website, Illustrative Guide to Cataract Surgery stands apart from traditional books"--Provided by publisher. Cataract is the leading cause of blindness in the world and cataract surgery is the most commonly performed operation worldwide. The international authorship of this book permits discussion of both the generality of the field and the details of a number of important topics that more recent research shows are important to understanding developments in the field of cataract surgery. These topics are discussed under the following areas: Pre-operative Care; Operative Surgery and the History of Cataract Surgery; Complications; and Cataract Surgery in Special Situations. The combination of topics makes this an informative, original, and lasting source of knowledge on cataract surgery. Further the chapters on the history of cataract surgery and major advances in the area are, in particular, of importance not only to surgeons and researchers but to physicians more widely as well as the general reader. The second edition of The Scrub's Bible is a timely, comprehensive resource, which will include extensive chapter and content updates, along with 50 new images and drawings. Updated sections will delve into subjects of endothelial transplantation, as well as cataract surgery and new medical and technological developments: femtosecond lasers, innovations in premium lens implant technologies, optiwave refractive analysis, and combined glaucoma and cataract surgery. Additional extensive chapter updates in the surgical tray, self-assessment, and corneal transplantation will be described in great detail as well. Directed at the growing number of untutored personnel aspiring to enter the disciplines of ophthalmic technicianry and surgical assisting, The Scrub's Bible, 2nd edition remains a key entry level guide to understanding the human eye, its basic anatomy, and physiology. Absorbing this information serves as the foundation for the authors, who are all skilled and respected eye surgeons, educators, and surgery center owners, to draw the reader through the fundamentals of the two most common areas of ophthalmic surgery: cataract and corneal/refractive surgery. The Scrub's Bible 2nd edition will build upon the first edition--remaining an easy-to-read tool that is broken down into discreet and understandable elements, meant to avoid the intimidating rhetoric of a standard reference. Part of the new series Gems of Ophthalmology, this book provides ophthalmic surgeons with the latest advances in cataract surgery. Divided into 24 chapters, the book begins with an overview of incision making, followed by discussion on different types of lenses. The next sections cover a variety of techniques in cataract surgery including phacoemulsification for patients with other existing ocular conditions such as uveitis, corneal diseases and those that have previously undergone vitrectomy procedures. The book concludes with discussion on femtosecond laser-assisted surgery. Complete chapters are dedicated to paediatric cataract surgery and toxic anterior segment syndrome (acute inflammation following generally uneventful cataract and anterior segment surgery). This comprehensive text is further enhanced by clinical and surgical photographs, diagrams and tables. Other topics in the series include: Cornea & Sclera, Diseases of the Uvea, Glaucoma, and Retina. Key points Comprehensive guide to latest advances in cataract surgery Part of the new Gems of Ophthalmology series Covers many basic and more complex procedures Other topics in the series include: Cornea & Sclera, Diseases of the Uvea, Glaucoma, and Retina Do you need cataract surgery? If so, you're not alone. Each year, three million Americans undergo cataract removal procedures. Even so, you may find yourself feeling anxious about having surgery performed on your eyes. The authors are experienced surgeons who together have performed more than 10,000

cataract surgeries. They understand your concerns. In this book they answer questions such as: Should I wait to have my cataracts removed? How is the surgery performed? How is a new lens implanted in the eye? Does the procedure hurt? Learn how cataract surgery may offer you the best vision you have ever had. In Premium Cataract Surgery: A Step-by-Step Guide, Dr. John A. Hovanesian presents the complicated subject of premium cataract surgery in an approachable manner for all cataract surgeons looking to elevate their skill level and improve patient experience. Premium Cataract Surgery: A Step-by-Step Guide packages all aspects of premium surgery into a practical guide for eye surgeons who wish to take their practices to a new level by offering cataract patients refractive solutions, such as astigmatism and presbyopia correction. Both well-established and new techniques and implants are presented in chapters that are organized by topic and detailed step-by-step. Chapters cover every subject related to premium surgery, including how-to chapters on microincision technique, toric implants, limbal relaxing incisions, advanced monovision, multifocals, and accommodating lenses. Enhancement strategies such as piggyback lenses, laser enhancement, and incisional surgery are presented as separate and complete solutions. In addition to surgical solution strategies, Dr. Hovanesian focuses this book on the psychology of creating a premium practice. Non technical matters such as patient screening, ethics, communicating the value of lenses, and managing the unhappy patient are thoroughly presented with easy-to-adopt ideas for the resident or seasoned veteran. Administrative Matters Addressed: * Equipment and staffing needs * Pricing * Medicare compliance * Marketing * Communicating with pre operative and post operative patients Premium Cataract Surgery: A Step-by-Step Guide explores every angle of premium surgery and practice and offers improvements for all levels of surgeons, from the resident to the experienced clinician, resulting in a top experience and a lifetime of premium vision for the patient. This book discusses the types, risk factors, treatment options and potential complications of cataracts and cataract surgery. Topics include the clinical techniques used to assess the visual and optical performance of intraocular lenses; the epidemiology and morphology of cataracts; a practical guide to the management of intraoperative floppy iris syndrome (IFIS); a comparison of safety and visual improvement of phacoemulsification with sutureless single-port 25-gauge vitrectomy versus phacoemulsification alone for eyes with extremely shallow anterior chamber; teaching and learning cataract surgery; and phacolytic glaucoma. This book provides ophthalmic professionals and trainees with practical guidance on how to perform cataract surgery efficiently. From patient satisfaction and risk stratification to safely performing cataract surgery, it addresses specific problems and offers clear solutions. The respective chapters address the health economy, surgical outcomes, staff satisfaction, surgical training, and research. Cataract surgeons seeking to further develop their clinical skills will find this book an indispensable resource in their day-to-day practice. Written by respected laser and lens refractive surgeons, this book will provide professionals and trainees with valuable new approaches to cataract surgery and patient management. Pediatric Cataract Surgery and IOL Implantation: A Case Based Guide is a must-have resource for ophthalmologists, surgeons, residents, and fellows who work with pediatric cataracts and their surgical management as well as ancillary readers such as parents or supportive caregivers to a child with cataracts. This book offers a comprehensive overview of the epidemiology of pediatric cataract surgery and considerations surrounding IOL implantation. It addresses pre-operative evaluation and examination, as well as surgical steps and techniques for various pediatric cataract conditions. Chapters begin with an introduction and are followed by discussions that offer expert viewpoints and case studies. In addition, chapters illustrate the complexity of the management of pediatric lens opacities. The book closes with a case-based approach to special considerations in IOL implantation: including considerations in the uveitic patient, placement without capsular support, and cataract surgery in the developing world. Providing thoughtful chapters that seek to expand on the currently available literature without redundancy, this book a solid companion piece to any other text discussing pediatric cataracts.

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