

Refractive Lens Exchange A Surgical Treatment For Presbyopia

Epidemiology and Outcomes in Refractive Lens Exchange Surgery
Clinical Ophthalmology: A Systematic Approach
Advances in Eye Surgery
Pediatric Ophthalmology, An Issue of Pediatric Clinics
Prelex Refractive Surgery
Nightmares
Minimizing Incisions and Maximizing Outcomes in Cataract Surgery
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Presbyopic Lens Surgery
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Phacoemulsification and Intraocular Lens Implantation
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Cataract and Refractive Surgery
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Management of Complications in Refractive Surgery
Journal of Refractive Surgery
Phacoemulsification
Refractive Surgery
Optimizing Suboptimal Results Following Cataract Surgery
Phacoemulsification, Fourth Edition
Issues in Ophthalmic, ENT, and Head and Neck Surgery: 2011 Edition
Mastering Refractive

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IOLs Multifocal Intraocular Lenses Refractive Surgery

Epidemiology and Outcomes in Refractive Lens Exchange Surgery

Refractive surgery has entered the mainstream of general ophthalmology, with patients inquiring every day about their potential for the surgery or questioning the results of previous procedures. Now you have at your fingertips the first concise, easily accessible guide to modern refractive surgery, covering all major surgical procedures and offering expert clinical recommendations on when and how to use them. Written by highly experienced specialists, the book is designed for all members of the refractive surgery team, with the goal of turning to it for quick reference and confirmation of a diagnosis in every examining room! In comparison to large tomes, this book is designed in a handbook format for easy portability and use, a book you will turn to for quick reference in any clinical setting. For convenient access to the basic principles, surgical concepts, techniques, and complications of today's refractive surgery procedures, there is only one book available: order Refractive Surgery: A Color Synopsis today!

Clinical Ophthalmology: A Systematic Approach

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The IOL technical specifications, the clinical data, and the necessary clinical and surgical skills comprise the scientific foundation for achieving a "premium" refractive outcome. To consistently achieve patient satisfaction, however, requires mastering the art of patient and IOL selection, communicating and counseling effectively, and providing a "premium" patient experience. This is a nontraditional book in which multiple experts are separately asked to discuss controversial subjects in a reader-friendly format. There is balanced coverage of all of the available refractive IOLs, as well as those that may become available in the near future. A major emphasis is placed on avoiding and managing complications or potentially dissatisfied patients. There are more than 200 chapters that are organized into 14 major sections, over 300 images, 100 tables, and 12 sidebars that cover every aspect of refractive IOL clinical practice. This is a comprehensive educational resource addressing the most demanding and rapidly evolving area in cataract and refractive surgery today and the first book to cover both the clinical and nonclinical aspects of offering refractive IOL services.

Advances in Eye Surgery

Comprehensive coverage of new developments and techniques in phacoemulsification, including a DVD Rom.

Pediatric Ophthalmology, An Issue of Pediatric Clinics,

Prelex

This is a comprehensive, practical guidebook that provides a clear overview and update of current modern techniques of ocular surgery. The chapters will be of interest to a wide audience. The chapters are written by experts with special interest and extensive clinical experience in the topics.

Refractive Surgery Nightmares

- Compiles the best cutting-edge practices for achieving success with refractive lens exchange
- Features the latest micro incision lens extraction techniques
- Well-known group of authors, with Fine and Packer being especially famous in the US
- Serves as textbook and reference guide for Ophthalmologists
- Clearly structured and richly illustrated

Minimizing Incisions and Maximizing Outcomes in Cataract Surgery

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Phacoemulsification: Principles and Techniques, Second Edition is perfect for the surgeon interested in learning the concepts, developing skills, and preparing for the actual surgical procedure. This completely revised and updated resource contains a detailed description of the basic technique of phacoemulsification and the special techniques devised by Dr. Buratto and a group of highly acclaimed international surgeons when encountering unusual circumstances. Expert surgeons interested in updating their knowledge and enhancing their operating skills will also benefit from this state-of-the-art tool. This definitive resource couples both the authors' and 84 contributors' diverse experience and knowledge to produce a complete vision of cataract surgery. Included within this completely revised second edition are 768 pages of updated material and more than 962 figures to illustrate this procedure. Modern cataract surgery has continually changed since its inception. The evolution of this procedure has been aided by technological advancements, increased knowledge of the anatomy of the eye, and the improvement of IOLs. Phacoemulsification: Principles and Techniques is a necessary text for all surgeons aspiring to improve their surgical results using the latest techniques available.

Kanski's Clinical Ophthalmology E-Book

Phacoemulsification is the cataract extraction technique of choice in the United States, & is rapidly gaining ground across the world. While surgeons continue to

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achieve safe & rapid results with phaco, they are constantly faced with patients who require special management- 20% of all cases are considered advanced.

Case Reviews in Ophthalmology

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

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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.

Cataract Surgery from Routine to Complex

Even the most experienced refractive surgeon can encounter stressful situations in the operating room. Be prepared to manage unavoidable and challenging complications with *Refractive Surgery Nightmares: Conquering Refractive Surgery Catastrophes* by your side. Dr. Amar Agarwal, along with contributions from 67 of today's leading refractive surgery experts, explains all there is to know about refractive surgery techniques in *Refractive Surgery Nightmares* to help you stay in control when facing unique surgical challenges. *Refractive Surgery Nightmares* provides surgeons with a solid understanding of preoperative examinations, surface ablation procedures, LASIK, and lens based surgeries and the tricky

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situations that can arise and turn into every surgeon's worst nightmare. Refractive Surgery Complications Include: • DLK and corneal infections • Topographic and wavefront aberrometry disasters • Femtosecond laser complications • Post LASIK Ectasia • Decentered ablations • Iatrogenic keratectasia More than 250 illustrations and clinical photographs supplement the important information presented, providing visual as well as textual references. Also included is an accompanying video CD-ROM with 45 minutes of live video techniques that supplements the text. Video CD-ROM Includes: • Post LASIK Iatrogenic Keratectasia • Flap Complications • Bimanual phacoemulsification • Phakic IOL • Hyperopic shifts after Radial keratotomy • Cataract after radial keratotomy This distinctive text and video CD-ROM will make its mark with everyone involved in refractive surgery, from the resident to the experienced surgeon. Feel competent and comfortable in the operating room no matter what challenge comes your way with Refractive Surgery Nightmares: Conquering Refractive Surgery Catastrophes.

Jaypee's Video Atlas of Ophthalmic Surgery

For thousands of years, cataract surgery continues to be the "pearl" of ophthalmic surgery. It is explained by the fact that cataract removal always leads to an increase in visual acuity of patients. A new technology of cataract removal, phacoemulsification, was introduced by Charles Kelman in 1967. Despite this, it was difficult for the surgeons to transform from extracapsular cataract extraction

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to the new method - phacoemulsification. Recently, in the ophthalmological practice, the method of femtolasar cataract surgery (FLACS) has been introduced. This method allows you to automatically perform the basic stages of cataract surgery - corneal incisions, capsulorhexis, nucleus fracture. At the same time, to apply the various techniques of cataract surgery, the surgeon must possess virtually all the necessary techniques. This is dictated by the fact that, as a rule, cataract itself is rarely isolated - senile. Knowledge of the basic rules of cataract surgery, the use of pupillary rings and iris retractors in narrow pupils, the use of capsular rings in subluxations of the lens, the use of special modes of phaco in severe late cataracts, and a comprehensive clinical way of thinking can undoubtedly reduce the complications of cataract surgery.

Phacoemulsification in Difficult and Challenging Cases

The second volume of "Cataract and Refractive Surgery" in the Essentials in Ophthalmology series provides new information on cataract and refractive surgery. The chapters discuss new techniques and technology. The emphasis is on areas that are rapidly evolving and essential to sophisticated clinical practice. The book has a well-structured text and design, and is quick and easy to read. It bridges the gap between primary literature and daily practice. This book will help clinicians provide the best results for their cataract and refractive surgical patients and is also indispensable for continuous education and advanced training.

Difficulties in Cataract Surgery

Refractive Surgery

Ideally suited for rapid reference and efficient, effective recall, *Clinical Ophthalmology: A Systematic Approach* will keep you up to date with current and evolving practice in the diagnosis and management of ophthalmic disorders, using a visually rich, succinct format that facilitates comprehension for trainees and practitioners. You'll have access to the latest advances in the field. Grasp key information and effectively prepare for examinations with a pictorial, bulleted approach – both highly visual and concise, for more efficient study. Move rapidly throughout the text to find the information you need, with color coding and at-a-glance key points. Learn from two renowned experts in the field. Includes over 2,700 high-quality images, 1,000 of which appear for the first time in this edition. Master the latest advances in ophthalmology: radical changes in the management of macular disease, including the widespread introduction of VEGF inhibitor therapy; recent developments in the investigation and treatment of retinal vascular disease; new pharmaceutical interventions for a range of conditions, including infectious eye disease and glaucoma; and updated surgical procedures and methods, including oculoplastic, corneal, and glaucoma surgery. Guidance on

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examination, imaging, and recognition of systemic conditions associated with ocular disease.

Expert Techniques in Ophthalmic Surgery

This illustrated guide is written by international opinion leaders with extensive experience in the practice of refractive surgery. It is the first book devoted to refractive complications (with practical hints and case reports on outcomes) to provide ophthalmic surgeons with the most adequate solutions for the most frequent problems. All complications are described and lavishly illustrated. The book provides ophthalmic surgeons with the most adequate solutions for the most frequent problems they face in their daily practice.

Refractive Surgery E-Book

Kanski's Clinical Ophthalmology: A Systematic Approach is the classic specialty text providing the perfect ophthalmology foundation for trainees through to experienced practitioners. The famous visually dynamic and succinct format enables easy comprehension and focused guidance in the diagnosis and management of ophthalmic disorders. Build the ultimate foundation in ophthalmology with this market-leading resource. Benefit from guidance on

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examination, imaging, and the recognition of systemic conditions associated with ocular disease. Completely revised by award-winning ophthalmic educator Brad Bowling, the eighth edition reflects the latest advances, making this an indispensable resource to enhance learning, aid exam preparation and guide clinical practice. Designed for rapid reference and efficient recall, the concise but comprehensive chapters use crisp targeted text, bulleted lists, tables, and visual aids to highlight salient points across all ophthalmology subspecialties. Features detailed updates on key evolving topics such as the spectrum of macular disease, with many new disorders added to this edition across a range of subspecialties. Increased emphasis on practical investigation and management. Includes 2,600 illustrations, images and artworks, with over 900 brand new for this edition, including ultra wide-field imaging, fundus autofluorescence, and high-resolution OCT. Consult this title on your favourite e-reader.

LASIK

If you'd like to improve your vision and reduce or eliminate your need for glasses or contacts, perhaps you're considering LASIK. This procedure has become one of the most popular vision correction surgeries in the nation with 9 million Americans undergoing LASIK procedures annually. But, before you entrust your eyes to a surgeon, make sure you become an informed consumer. In LASIK—A Guide to Laser Vision Correction, three ophthalmologists, who together have performed

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more than 65,000 LASIK procedures, help you understand what the surgery involves. Among the questions they answer: • Are you a candidate for LASIK surgery? • How is LASIK performed? • How much vision improvement you can expect? • How does the new Wavefront technology improve LASIK? • How do you choose a qualified ophthalmologist? • How many procedures should your ophthalmologist have performed? • What are the possible complications? • What follow up care will you need after the surgery? The Book to Read Before Having LASIK Surgery!

Refractive Lens Surgery

Many ophthalmologists are in the transition from the traditional cataract surgery technique to the new minimally incision cataract surgery (MICS) technique. They are in the need of updated information on how to make this transition smoothly. In this book, world-renowned opinion leaders present up-to-date information on the new and fast-developing trends in cataract surgery. It reflects the state of the art of microincisional cataract surgery with the concept of minimizing incision. It offers all necessary information on the new technology as well as on the surgical technique. Further, it demonstrates how to handle difficult cataract cases as well as new intraocular lenses.

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Ophthalmic Surgery: Principles and Practice E-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.

Presbyopic Lens Surgery

This new title is a comprehensive reference covering all refractive surgical procedures.

Phacoemulsification

As the authors describe in this volume dedicated to vision in children, great strides have been made in recent years in preventing and identifying any loss of visual acuity, and, when identified, correcting it. The articles are written for the practicing pediatrician and describe conditions that are detected in pediatric practice and/or about which parents and patients may be knowledgeable and have questions.

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Articles in this issue are devoted to: Pediatric Refractive Surgery; The Lacrimal System; Periocular Hemangiomas and Lymphangiomas; Genetics and Ocular Disorders: A Focused Review; Retinopathy of Prematurity; Review of Pediatric Idiopathic Intracranial Hypertension; Allergic Eye Disease; and Convergence Insufficiency and Vision Therapy, to name a few.

Phacoemulsification and Intraocular Lens Implantation

Comprehensive and clinically focused, *Refractive Surgery, 3rd Edition*, brings you the knowledge and expertise of leading ophthalmology experts and refractive surgeons from around the world. Together they provide practical coverage of the latest advances in this fast-changing field, including improved optics and biomechanics, improved diagnostics, new surgical techniques, and more. Hundreds of high-quality photographs guide you from patient selection to mastery of surgical techniques. Offers step-by-step guidance on a wide range of common refractive procedures. Covers new topics such as management of LASIK complications; SMILE and management of SMILE complications; collagen cross-linking, including instrumentation and applications in keratoconus and ectasia; intracorneal lenses; and multifocal and accommodating IOLs. Contains a new chapter on Preoperative Evaluation of Keratoconus and Ectasia. Uses high-quality surgical video clips to demonstrate a variety of surgical techniques. Addresses initial as well as ongoing management of patients. Includes tables of indications, preferences, hot tips, and

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management of complications throughout, making guidance quick and easy to access.

Advanced Glaucoma Surgery

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.

See Better Now

Abstract: Purpose: To assess the anterior, posterior and total corneal spherical and astigmatic powers in patients undergoing refractive lens exchange (RLE) surgery. Methods: In 402 consecutive patients planned for RLE at Koskelas Eye Clinic, Luleå, Sweden, right eye data from pre- and postoperative subjective refraction, preoperative IOLMaster® biometry and Pentacam HR® measurements were collected. Postoperative Pentacam HR® data were collected for 54 of the patients. The spherical and astigmatic powers of the anterior and posterior corneal surfaces and for the total cornea were assessed and compared, and surgically, induced

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astigmatism was calculated using vector analysis. Results: The spherical power of the anterior corneal surface was $48.18 \pm 1.69\text{D}$ with an astigmatic power of $0.83 \pm 0.54\text{D}$. The corresponding values for the posterior surface were $-6.05 \pm 2.52\text{D}$ and $0.26 \pm 0.15\text{D}$, respectively. The total corneal spherical power calculated with ray tracing was $42.47 \pm 2.89\text{D}$ with a $0.72 \pm 0.48\text{D}$ astigmatic power, and the corresponding figures obtained by estimating the posterior corneal surface were $43.25 \pm 1.51\text{D}$ (p

Cataract Surgery

This text provides expert instruction on the techniques currently employed for the surgical treatment of glaucomatous disease, covering both the host of novel microinvasive devices for treatment of milder stages and the refined strategies that enhance success rates in patients with advanced disease. The critical steps in each procedure are clearly described with the aid of many high-quality illustrations and surgical videos. Pearls and pitfalls of the various techniques are highlighted, and helpful information is provided on indications, preoperative considerations, potential intra- and postoperative complications, and strategies for reducing the incidence of such adverse events. Each treatment method is addressed in a dedicated stand-alone chapter, ensuring ease of reference for the practitioner. Readers will find this book, written by internationally recognized experts in the field, to be an exceptional source of up-to-date information on advanced glaucoma

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surgical techniques.

Small Incision Cataract Surgery (Manual Phaco)

Reduced spectacle dependence for distance, intermediate, and near vision is increasingly becoming a postoperative goal for both cataract and lens exchange patients. Presbyopic Lens Surgery offers a refreshing look at this advancing topic and delivers expert information for achieving target refractive outcomes. This handy reference covers all you need to know about both refractive lens exchange and refractive cataract surgery.

Refractive Lens Exchange

Issues in Ophthalmic, ENT, and Head and Neck Surgery: 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Ophthalmic, ENT, and Head and Neck Surgery. The editors have built Issues in Ophthalmic, ENT, and Head and Neck Surgery: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Ophthalmic, ENT, and Head and Neck Surgery in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Ophthalmic, ENT,

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and Head and Neck Surgery: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Refractive Surgery

This comprehensive and sophisticated video atlas comprises of more than 345 videos of some of the important and finest ophthalmic surgeries by approximately 200 contributors from all over the world. It would serve as a landmark reference not only for teaching residents in ophthalmic surgery practices, but also to experienced surgeons. This revised and updated second edition through its high quality videos demonstrates step by step, the latest techniques involved in both anterior and posterior segment surgeries along with a narration. The new technologies, especially Femtosecond Laser Refractive and Cataract Surgery, Minimally Invasive Surgery 23G and 25G, Posterior Segment Surgery and other new techniques have been described in the second edition. -- Publisher.

Cataract and Refractive Surgery

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Whether you're in training or an established practitioner, the brand-new Surgical Techniques in Ophthalmology Series features the essential information you need on a variety of surgical maneuvers in six subspecialty areas. Every author has been carefully selected for each title based on their experience and wealth of clinical expertise. And, each book is presented in a concise, templated format that complements the commentary and procedures on the accompanying DVD. Features ten entire chapters devoted to excimer lasers of the world that are approved for custom ablation to help you decide when and learn how to use them effectively for optimal results. Provides a detailed discussion of refractive lens exchange, including small incision cataract technology and the development of multifocal and accommodating intraocular lens to help you effectively treat high myopia and hyperopia. Covers the surgical reversal of presbyopia to keep you on top of burgeoning techniques. Discusses wavefront technology for use in identifying optical aberrations and improving your patients' vision. Presents pros and cons and pearls and pitfalls to help you avoid complications. Contains full-color high-quality photographs that add to your comprehension of the material. Includes a DVD of excimer laser instruments so you can decide which ones are best for your practice.

Posterior Corneal Astigmatism in Refractive Lens Exchange Surgery

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'Pushing an elephant through a keyhole' underlies the basics of phacoemulsification. It is with a great deal of skill and finesse that ophthalmic surgeons perform phacoemulsification for the benefit of their patients. This two volume text with two accompanying CD-ROMs offers the reader more than enough background knowledge to perform safe phaco sur

Management of Complications in Refractive Surgery

A concise review and comprehensive guide to improving cataract surgery outcomes Significant advances have been made in refractive surgery in the last decade. Eye surgeons today can leverage many cutting-edge intraocular lens (IOL) technologies such as multifocal, extended depth of field, toric, accommodating, and aspheric. Concurrent innovations including optics, phacoemulsification, superior keratometry and biometry, and posterior cornea evaluation have resulted in improved cataract surgery outcomes. Recent advances in the diagnosis and treatment of cataracts have dramatically improved patient satisfaction following cataract surgery, yet common and rare complications still occur such as dry eye, endophthalmitis, and retinal detachment. Furthermore, only 80% of cataract surgery procedures bring patients to within 0.5 diopters of their needed refraction. Optimizing Suboptimal Results Following Cataract Surgery: Refractive and Non-Refractive Management presents the latest techniques for achieving optimal results and overcoming complications in cataract surgery. Internationally

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renowned ophthalmic surgery pioneers Priya Narang and William Trattler have created an unparalleled guide to overcoming complex cases and residual refractive errors. The book starts with six chapters on suboptimal causes and considerations, followed by dedicated sections covering refractive and non-refractive enhancements. The fourth section features chapters on keratoconus, cystoid macular edema, endophthalmitis, toxic anterior segment syndrome, and vitritis, as well as intraoperative aberrometry, futuristic approaches and advancements, and telescopic IOLs. Key Highlights Refractive enhancement procedures including corneal-based procedures such as astigmatic keratotomy, LASIK, PRK, and SMILE; IOL exchange; piggyback IOL; toric IOL; and premium IOLs and associated problems Nonrefractive enhancement procedures including dysphotopsias and surgical management, bullous keratopathy and endothelial keratoplasty, complex IOL issues such as malpositioned IOL and capsular bag, and posterior capsular rupture and IOL lens implantation Practical tips and steps to prevent and manage undesired outcomes 30 surgical videos posted online highlight a diverse array of complex cases and technical advances to help prevent suboptimal results Ophthalmologists, ophthalmology residents, fellows, and subspecialists will greatly benefit from the significant pearls and knowledge presented in this indispensable cataract surgery resource. This book includes complimentary access to a digital copy on <https://medone.thieme.com>.

Journal of Refractive Surgery

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Abstract Purpose To assess demographics and refractive outcomes in patients undergoing refractive lens exchange surgery (RLE), with a population of cataract patients as a reference. **Methods** A RLE cohort from a private eye clinic (n=675) and a cataract cohort from the outcome registration of the Swedish National Cataract Register were studied and compared from an epidemiological perspective regarding age, gender, preoperative refraction and postoperative refractive outcome. **Results** The RLE patients were younger (52.1 ± 7.7 versus 73.84 ± 9.32 years) with a smaller percentage of women (45.28% versus 60.46%; p

Phacoemulsification

Whether you're in training or an established practitioner, the brand-new Surgical Techniques in Ophthalmology Series features the essential information you need on a variety of surgical maneuvers in six subspecialty areas. Every author has been carefully selected for each title based on their experience and wealth of clinical expertise. And, each book is presented in a concise, templated format that complements the commentary and procedures on the accompanying DVD. Features ten entire chapters devoted to excimer lasers of the world that are approved for custom ablation to help you decide when and learn how to use them effectively for optimal results. Provides a detailed discussion of refractive lens exchange, including small incision cataract technology and the development of

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multifocal and accommodating intraocular lens to help you effectively treat high myopia and hyperopia. Covers the surgical reversal of presbyopia to keep you on top of burgeoning techniques. Discusses wavefront technology for use in identifying optical aberrations and improving your patients' vision. Presents pros and cons and pearls and pitfalls to help you avoid complications. Contains full-color high-quality photographs that add to your comprehension of the material. Includes a DVD of excimer laser instruments so you can decide which ones are best for your practice.

Refractive Surgery

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

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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.

Optimizing Suboptimal Results Following Cataract Surgery

Ophthalmic Surgery, edited by Drs. George Spaeth, Helen Danesh-Meyer, Ivan

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Goldberg, and Anselm Kampik, provides the detailed, full-color, step-by-step guidance you need to master essential ophthalmic surgery procedures. The international team of expert editors and contributors present coverage of the latest surgical developments and video demonstrations of key techniques across subspecialties, including cataract, cornea, refractive, glaucoma, oculoplastic, extra-ocular muscle, vitreoretinal, and ocular tumor procedures. What's more, the fully searchable text, procedural videos, and a downloadable image gallery are all online at www.expertconsult.com, making this multimedia resource the key to performing confidently in the operating room. Refer to the most important steps in each procedure quickly and easily with an appendix of step-by-step hand notes. Perform a wide variety of procedures with confidence using the focused coverage that pinpoints essential information and avoids extraneous details. Get comprehensive coverage across key subspecialties—oculoplastic, strabismus, cornea, refractive, cataract, glaucoma, ocular tumors, and vitreoretinal—and master the basics for every common procedure. Access the fully searchable contents online at www.expertconsult.com, along with procedural videos and a downloadable image gallery. Apply the latest advances in laser surgery that have become standard practice with the new section on refractive surgery. Master key techniques thanks to more than four hours of narrated online videos that demonstrate procedures across eight subspecialties. Gain a more nuanced visual understanding through a new full-color art program with over 800 illustrations, updated and revised drawings, color images, and step-by-step illustrated

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procedures. Tap into the expertise of leading authorities in the field with a brand new editorial team from North America, Europe, and Australasia, as well as international contributors who provide global perspectives across all subspecialties in ophthalmic surgery.

Phacoemulsification, Fourth Edition

"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.

Issues in Ophthalmic, ENT, and Head and Neck Surgery: 2011 Edition

Seasoned Elsevier authors Neil J. Friedman and Peter K. Kaiser help you get the best possible results in your exams with Case Reviews in Ophthalmology. This

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medical reference's case-based approach gives you just the practice you need to assess, reinforce, and broaden your mastery of every essential concept in ophthalmology for clinical rounds, oral boards or recertification. Review key information on every aspect of ophthalmology: optics/refraction; neuro-ophthalmology/orbit; pediatrics/strabismus; external disease/adnexa; anterior segment; and posterior segment. Learn from the experts with contributions from an all-star duo of seasoned authors. Enhance your fundamental knowledge in ophthalmology and reinforce learning objectives using 100 illustrated cases. Access the complete contents online at www.expertconsult.com. The case-based resource you need to prepare for the American Board of Ophthalmology oral exam

Mastering Refractive IOLs

Nearly 3.6 million Americans have their vision surgically corrected annually; it is the most commonly performed surgery in the nation. Even so, many people find themselves feeling anxious about the procedure. Author Robert K. Maloney is an experienced ophthalmologist who has performed thousands of vision correction surgeries. Not only is he an expert at performing these surgeries, he is a compassionate physician who understands the kinds of questions and concerns people have. In this book he covers LASIK and PRK surgeries, the differences between RLE and ICL, the implantable contact lens, refractive lens exchanges, how to choose a surgeon, and the newest vision correction surgery techniques.

Multifocal Intraocular Lenses

This comprehensive 2nd edition will build on the highly successful first edition, providing an updated global perspective of the fundamentals of multifocal intraocular lenses. The varying outcomes, limitations, and the neuroadaptation process necessary for an adequate clinical success are thoroughly discussed, along with an overview of the different types of multifocal lenses, including the recently developed extended depth of focus lenses. Multifocal Intraocular Lenses: The Art and the Practice, 2nd edition opens with an introduction that will delve into current technological offerings for the correction of pseudophakic presbyopia, as well as the opportunity for refractive lens exchange in advanced presbyopic ages and the opportunity to use these lenses. The first section will include the historical background and clinical indications, while section two addresses the varying types and models of lenses currently available, including important clinical and technological highlights. Section three and four will follow, and provide an extended look at the Zeiss and Alcon Family Multifocal IOL's. Section five will delve into extended depth of field lenses, and will contain an introduction about the concept, different models and the evidence available about their outcomes. Section six concludes the book, closely examining accommodative intraocular lenses, and a full update will be provided on these lenses, the failures of the past and the hopes for the future. Multifocal Intraocular Lenses: The Art and the Practice, 2nd edition is a thorough, resource for the practical ophthalmologist and

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ophthalmic surgeon interested in learning more about intraocular lenses, identifying the best technologies and lenses for the benefit of their patients.

Refractive Surgery

Prelex is the latest lifestyle vision option for people above forty-five who are tired of wearing glasses or contact lenses. Prelex is more advanced and beneficial than lasik eye surgery, as it delivers distance, middle and near vision in each eye (not monovision) is permanent and prevents development of cataracts. This book describes the prelex procedure, presbyopic implants (PI), what to expect before, during and after the short procedure. It discusses the advantages of Prelex procedure over lasik eye surgery for people who demand clear vision at all distances. It explains the working of the eye in simple to easy understand language. It delves into the reasons for needing reading glasses in old age, as well as the reason for nearsightedness, farsightedness and astigmatism. The author, Dr. Khanna discusses how to select a good surgeon, and questions to ask the Prelex surgeon. He goes on to explain how to select the best lens for ones lifestyle from amongst Restor, Tecnis and Crystalens, all FDA approved lenses. The author describes what to expect during the procedure and how to prepare for it. The side effects of the procedure are discussed as well as how to avoid them. Finally, the concept of Neuroadaptation is introduced. How one can use the science of neuroadaptation to enhance the results is provided.

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