

Silicone Oil Removal After Rhegmatogenous Retinal

In the new book series ESASO Course Series, the essentials of the courses of the European School for Advanced Studies in Ophthalmology (ESASO) are made available to interested ophthalmologists, optometrists, technicians and residents all over the world. In this first volume, the seminars on retins presented by renowned experts during ESASO `s activities are collected. The authors have incorporated their personal experience and full teaching acumen in their respective chapters. The topics range from molecular biology, to state-of-the-art diagnostic techniques and the newest medical treatment options.This book provides the ophthalmologist with the most recent data and evidence-based medicine on medical retina, and includes multiple areas still under debate. Because of its highly specific and updated information, focusing on the pathogenesis and management of retinal diseases, this publication is a must to all retina specialists.

This timely second edition expands upon the first edition, working to provide physicians with a comprehensive review of surgical cases within the field of ophthalmology. Extensive updates have been made to existing chapters, along with new chapters on hot topics in ophthalmology inserted throughout the existing text. Featuring important steps within each surgical case, indications for the procedure, possible complications, and a sample diction the review serves as both a preparation and debriefing for each surgeon, or surgeon in training, by improving comprehension time, cultivating surgical forethought, and refining post-operative dictations. Part of the new series Gems of Ophthalmology, this book provides the latest information in the diagnosis and management of retinal diseases and disorders. Beginning with an overview of diagnostic imaging techniques – ophthalmoscopy, angiography, fundus autofluorescence, and choroidal imaging, the next chapters discuss retinal disorders related to diabetes. The following sections discuss numerous disorders such as proliferative vitreoretinopathy, macular degeneration, macular holes, polypoidal choroidal vasculopathy, and much more. The final sections cover surgical management of retinal problems including giant retinal tears, retinoblastoma, cysts, retinal detachment, and microincision vitreoretinal 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 Cataract Surgery. Key points Comprehensive guide to diagnosis and management of retinal diseases Part of the new Gems of Ophthalmology series Covers many common and more complex disorders and diseases Other topics in the series include: Cornea & Sclera, Diseases of the Uvea, Glaucoma, and Cataract Surgery

The Coincidence Effect, is a masterpiece which has psychological, economical, and religious information in it. It can be seen as a motivational and educational story, for kids and adults. Ryan grew up in an aristocratic family, and was taught at some of the best schools. He lived a millionaire lifestyle. The main character, Ryan, has many coincidences throughout his life. They are used to try to convince him that he is someone, that he is not. However, the power of the coincidences used, was of enlightening power. There was information about the number 333, which is half of 666. The number is calculated, and a power uses it as a coincidence. Towards the end of the story a power tries to convince Ryan, that he is the anti-Christ. There are many morals and values within the story, such as, not believing that you are someone you are not. Therefore, changing your life and going in the wrong direction.

Vitreoretinal Surgery

Veterinary Ophthalmic Surgery

Gems of Ophthalmology: Retina

Chromovitrectomy

Management of Complicated Vitreoretinal Diseases

Covers every aspect of ophthalmology, combining the latest on genetics, diagnostic tips and techniques, proven management strategies, surgical approaches, new drugs, and more. An esteemed author team and contributions of hundreds of top-tier practitioners provide guidance on practically every ophthalmic condition and procedure. It is filled with a collection of 2,500 detailed photographic images, and includes a CD-ROM with full text, slides, and navigation tools for quick access and easy use.

• Significant research and increase in knowledge about retinal diseases in recent years • Highly practical and clinically relevant • All editors with international reputation and contributing authors with expertise on their topic • Reader-friendly format: Well-structured text and design, quick and easy to read • Richly illustrated with numerous tables and color photos • Ophthalmology series is indispensable for continuous education and advanced training • Series bridges the gap between primary literature and daily practice • Every 2nd year each subject of the series is covered with timely information about the new development in the specialized field

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.

Primary Retinal DetachmentOptions for RepairSpring Science & Business Media

Surgical Management of Inflammatory Eye Disease

Primary Retinal Detachment

Practical Approaches to formulation in the Laboratory, Manufacturing, and the Clinic

Vital Dyes in Vitreoretinal Surgery

Cutting-edge Vitreoretinal Surgery

Discusses ocular and orbital disorders that appear as emergencies and provides a reference for practical hands-on management. The book aims to help physicians evaluate patients with traumatic/non-traumatic ophthalmologic disorders, and develop optimal therapeutic plans.

This book provides state-of-the-art information for ophthalmologists and other clinicians facing tough cases, helping them to make the most appropriate decision concerning the management of patients who have suffered mechanical ocular trauma. The discussion of mechanical ocular trauma addresses various parts of the eye: each chapter discusses a certain part of the eye, supplemented by illustrative sample cases.

Though the latest consensus is provided for each topic or case, different opinions on controversial topics will also be discussed in detail. Pearls of advice at the end of each chapter highlight its main points. Topics covered include: Traumatic cataract and the timing of surgery and IOL implantation, Traumatic hypotony, Traumatic glaucoma, Timing of vitrectomy after primary repair, Use of silicone oil in traumatic eyes, Intraocular Foreign Bodies, Traumatic endophthalmitis, and much more. As a topic-based clinical reference work on mechanical ocular trauma bringing together consensus and controversies, the book offers useful and attractive information for ophthalmologists.

This is the second edition of a highly successful textbook that in many areas has become the preferred manual of vitreoretinal surgery. It provides a complete guide to all common vitreoretinal surgical procedures and also covers diagnosis and other aspects of management. The book is designed to allow a trainee or professional vitreoretinal surgeon to determine the best methodology in individual cases. In order to acquaint the reader with different opinions, "surgical pearls" have been contributed by other international experts in the field. These have proved popular in the past as an illustration of alternative methods, without detracting from the overall method described by the main author. Vitreoretinal Surgery will continue to prove particularly popular amongst trainees, but will also be of value to practicing professionals who need help in the management of difficult and rare cases. The text is backed up by the provision of videos of some aspects of the surgery.

Chromovitrectomy is a novel approach to visualize the vitreous or retinal surface during vitreoretinal surgery. In recent years, the widely used indocyanine green (ICG) has made the surgical maneuver of inner limiting membrane peeling tremendously safer and efficient. Also, numerous dyes have been applied in experimental settings with promising or devastating results. This volume highlights the major clinical and experimental results of currently used novel vital dyes. The first chapters describe the transparent structure of the vitreous body and summarize historical considerations to visualize its structure by optical coherence tomography, dye injections or autologous cells during surgery and for diagnostic purposes. The following contributions describe the advantages and disadvantages of ICG during vitreoretinal surgery and experimental applications. Alternative approaches by recently approved vital dyes such as trypan blue, patent blue and brilliant blue are evaluated in the subsequent chapters. Finally the last few chapters give an outlook on novel vital dyes, which are currently under evaluation, as well as alternative enzymatic approaches to remove the vitreous from the retinal surface. Being a timely update this publication will be indispensable reading for vitreoretinal surgeons and ophthalmic researchers.

Ryan's Retina E-Book

Operative Dictations in Ophthalmology

Imaging Techniques

Vitreo-retinal Surgery

Diagnosis and Differential Diagnosis

This book discusses the newest trends, concepts, and advancements in the management of vitreo-retinal conditions. The field of retina is rapidly changing, with new advances ranging from stem cell therapy, gene therapy and editing, new drug targets, novel delivery systems, and innovative technologies in advanced ocular imaging and surgical techniques. The goal is to provide a way to update practitioners and trainees on how the field of retina is changing. Areas of focus include new technologies, particularly in ocular imaging and vitreo-retinal surgery, major new clinical trials, particularly those that are shifting practice patterns or addressing novel therapies, and novel research that is altering the classification and diagnosis of retinal conditions, as well as management strategies and prognostic predictors for vitreo-retinal diseases. This volume is essential reading for generalist and specialist ophthalmologists and useful for residents and fellows training in various subspecialties.

Comprehensive guide to latest techniques in vitreoretinal surgery. Includes complete section on paediatric retinal surgery.

Therapeutic protein drug products provides a comprehensive overview of therapeutic protein drug products, with an emphasis on formulation beginning in the laboratory, followed by manufacturing and administration in the clinic. A list of many commercial therapeutic drug products are described and include the product name, dosages, active concentration, buffer, excipients, Ph, container type and route of administration. The laboratory formulation sections focus on the most common buffers, excipients, and Ph ranges that are commonly tested in addition to systematic approaches. A brief section on biophysical and analytical analysis is also provided. Properties of therapeutic protein formulations are described and include opalescence, phase separation, color, and subvisible particles. An emphasis is placed on material and process testing to ensure success during manufacturing. The drug product manufacturing process, which includes the process of compounding to filling, is also covered. Methods of delivery in the clinic are addressed, as well as delivery strategies. Finally, a perspective on the regulatory requirements for therapeutic protein formulations is discussed. Provides a list and description of commercially available therapeutic drug products and their formulations A comprehensive and practical overview of protein formulation in the laboratory, manufacturing, and the clinic Discusses recent topics including high protein concentration, phase separation, opalescence, and subvisible particles

The undisputed gold standard text in the field, Ryan's Retina is your award-winning choice for the most current, authoritative information on new technologies, surgical approaches, scientific advances and diagnostic and therapeutic options for retinal diseases and disorders. Packed with timely updates throughout, new illustrations, and a dedicated team of editors who extend Dr. Ryan `s legacy in retina, this outstanding 6th Edition is a must-have reference for retinal specialists, ophthalmologists, and fellows in training. Offers the most comprehensive content available on retina, balancing the latest scientific research and clinical correlations, covering everything you need to know on retinal diagnosis, treatment, development, structure, function, and pathophysiology. Provides a truly global perspective from five highly esteemed section editors and more than 350 other world authorities from across Europe, Asia, Australasia, and the Americas. Bullets Includes new chapters on widefield imaging, intraoperative OCT imaging, medical management of diabetes mellitus and age-related macular degeneration, and senile retinoschisis. Includes more than 1,150 brand-new illustrations, scans, and photographs throughout. Covers the explosion of new imaging options across optical coherence tomography (OCT), fundus imaging, and autofluorescence imaging, including a greatly expanded OCT imaging chapter that features crucial information on OCT-Angiography (OCT-A). Presents new pharmacotherapy data and the latest approaches in anti-VEGF therapy for age-related macular degeneration, diabetic retinopathy, and venous occlusive disease. Contains thorough content updates in every area of retina, including advanced imaging technologies, gene therapy, inflammation and immune responses, white dot syndromes, epigenetic mechanisms, transplantation frontiers to improve retinal function, macular hole, myopic eye disease, ocular trauma, drug delivery to the posterior segment, advances in macular surgery, vitrectomy and complex retinal detachment, tumors, and retinal genetic and biology.

Cumulated Index Medicus

Emerging Techniques and Technology

Vitreous Substitutes

Silicone Oil in the Treatment of Complicated Retinal Detachments

Current Cataract Surgical Techniques

Silicones—Advances in Research and Application: 2012 Edition is a ScholarlyBrief™ that delivers timely, authoritative, comprehensive, and specialized information about Silicones in a concise format. The editors have built Silicones—Advances in Research and Application: 2012 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Silicones 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 Silicones—Advances in Research and Application: 2012 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. 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/.

The purpose of this book is to provide an update both on the present management of proliferative vitreoretinopathy (PVR) and on clinical and experimental research being done to control this disease. The book is divided into three parts. The first part deals with the current management of PVR. The Retina Society Classification of PVR is based in part on a gradation of severity from minimal to massive; therefore, this book attempts to correlate the management of PVR with its severity. The treatment of PVR of varying degrees of severity, from mild to the most severe form, is described by those authors with extensive experience with this spectrum of cases. Much progress has been made in the management of severe PVR as a result of vitreous injections, vitrectomy, periretinal membrane surgery, and retinal surgery. Authors in this book show that in mild and moderately severe PVR excellent results can be obtained with techniques that are less invasive and possibly less likely to stimulate further abnormal cellular proliferation. The new modalities for treatment of PVR are discussed by authors having extensive experience with them. The current status of pharmacological treatment and new concepts of the pathobiology of PVR are discussed. The second part of the book deals with questions frequently encountered in the management of PVR. These questions are answered by a panel of experts including Gary W. Abrams, Steven T. Charles, William H. Haverer, Robert Machemer, Charles L. Schepens, and Walter H. Stern.

Recent developments in the field of retinal detachment surgery have called for a substantial revision of the previous edition of this text. The most significant advances have focused around the increased use of pars plana vitrectomy and of various intraocular gases. The illustrations have also been improved, including more colour material, and the references have been revised and supplemented where indicated. The basic format of the first edition has, nevertheless, been adhered to: namely, a concise textbook on retinal detachment surgery which will enable the reader to attain a sequential approach to the examination and treatment of patients with retinal detachment. The clear presentation will benefit those in training as well as the more experienced general ophthalmologist who normally does not specialize in vitreo-retinal surgery, but who has to cope with retinal detachment surgical problems.

This book provides the vitreoretinal surgeon with advice and guidance on how to treat and manage the unpredictable complexities and potential intra- and postoperative complications that are encountered during the course of vitreoretinal surgery. Internationally renowned surgeons share their extensive surgical experience in a clearly written and well-illustrated format, delivering helpful practical answers to the important problems frequently confronted in this ever-challenging area of ophthalmic surgery. Management of Complicated Vitreoretinal Diseases will appeal to surgeons young and old, and will find its home not only in the library but also in the office and the operating room itself. The open and positive way in which the many scenarios and difficulties encountered in surgery are confronted will improve the expertise of the surgeon and, most importantly, the outcomes for patients.

Therapeutic Protein Drug Products

Vitreous Microsurgery

OphthoBook

Medical Retina

Purchasers of Veterinary Ophthalmic Surgery have at their disposal a comprehensive, step-by-step guide to all types of ophthalmic surgical techniques across all species. Techniques are covered topographically, and species-by-species, with difficulty gradings for each one. Many of these procedures will be undertaken by the veterinary generalist, not only the specialized ophthalmologist. Nearly 1,000 large-sized illustrations, 750 of them in full colour, allow the practitioner to follow the techniques step-by-step. Internationally recognized as an authority on small animal ophthalmic surgery, Dr Gelatt is joined by expert contributors who together provide authoritative and definitive solutions to practitioners` eye surgery requirements. Whatever your field of specialism, this is the only eye surgery book you are ever likely to need. For: residents in veterinary ophthalmology; general, small animal, and equine veterinary practitioners; veterinary ophthalmologists; veterinary medicine students. • Comprehensive coverage of all species •lavishly illustrated sequenced figures of all procedures •Step-by-step approach for maximum clarity •A superb collection of online video clips gives clarification of the most common procedures •The only ophthalmic surgery text for veterinarians

The new imaging methods has revolutionized the management of retinal diseases. Techniques like OCT angiography and fundus autofluorescence imaging have enabled the exploration of new perspectives for understanding the progress of diseases such as age-related macular degeneration (AMD) and diabetic retinopathy. Multimodal imaging of the retina will open new avenues for an integrated diagnostic approach in the future. This publication - like all volumes of the "ESASO Course Series" - summarizes the essentials of the ESASO education courses. It provides an update for retina specialists and imaging technicians. Residents and trainees will also find it to be useful for learning about new imaging techniques.

The use of pharmacotherapeutics in the management of retinal diseases is rapidly evolving, and a favorable therapy for the patient. Today anti-VEGF agents are used for a range of indications from inflammation-related choroidal neovascularization to macular edema secondary to retinal vein occlusion or diabetic retinopathy. Beyond VEGF, there is an array of target areas under investigation - not only for vascular pathologies such as age-related macular degeneration and diabetic eye disease, but also for degenerative, infectious and inflammatory retinal conditions. This publication discusses many aspects from basic research on the retina, to animal models for retinal drug delivery, retinal diseases that are amenable to pharmacotherapy and also drugs and mechanisms in retinal diseases. Anyone concerned with the management of retinal diseases - the general ophthalmologist and the retina specialist alike - will find this book indispensable reading.

This lavishly illustrated book covers the most common diseases, exploring appropriate approaches to a range of vitreoretinal problems. All common vitreoretinal procedures are explained step by step with diagrams and color photos. Finally, the book provides a basic electronic patient record system, which corresponds to the subject material using the same six main groups of diagnostic categories in the text and allows the surgeon to organize and audit their clinical data and compare their performance with the quoted success rates in the book.

A New Laser Treatment of Choroidal Melanoma

Silicones—Advances in Research and Application: 2012 Edition

Silicone Oil in Vitreoretinal Surgery

Techniques, Results, and Complications

ScholarlyBrief

This book covers the entire range of vitreoretinal surgeries. The first section covers essential information about the anatomy and the appropriate diagnostic techniques which helps in preoperative evaluation. The second section is on surgical instrumentation, and includes adjuncts used in VR surgery. Advanced instrumentation such as 3D visualization system, endoscopic vitrectomy and robotic surgeries are well described in the chapters. The later sections deal with the surgical technique for different disease entities. Management of posterior segment complication of anterior segment surgeries such as cataract and keratoprosthesis are reviewed in detail. A section on gene therapy has been incorporated. This book will help the reader to gather a detailed round-up of basics of and advances made in the field of vitreoretinal surgery. It is supplemented with videos. This book is meant for practicing retinal surgeons, those in training as well as students with interest in vitreoretinal surgery. "Essentials in Ophthalmology" is a new review series covering all of ophthalmology categorized in eight subspecialties. It will be published quarterly, thus each subspecialty will be reviewed biannually. Given the multiplicity of medical publications already available, why is a new series needed? Consider that the half-life of medical knowledge is estimated to be around 5 years. Moreover, it can be as long as 8 years between the first description of a medical innovation in a peer-reviewed scientific journal and publication in a medical textbook. A series that narrows this time span between journal and textbook would provide a more rapid and efficient transfer of medical knowledge into clinical practice, and enhance care of our patients.

Over the last two decades, tremendous progress has been made in vitrectomy surgery, most importantly the significant reduction of the gauge and implementation of microincision vitrectomy surgery (MIVS). At the same time, the introduction of wide-viewing systems and the utilization of vital dyes to better recognize structures like the vitreous and membranes have taken place. This volume starts with the fundamentals of MPVS, introducing both the mechanics and the physics of the latest generation of vitrectomy devices, followed by a description of the discrete gauge systems (i.e. 23-, 25-, and 27-gauge). Individualized but mandatory settings, techniques, and technology are also discussed in detail. There are also more than ten chapters outlining concrete surgical strategies that give surgeons a thorough overview of the procedures.

The new edition of this atlas has been fully updated to provide practising ophthalmologists and residents with the latest advances in ophthalmic ultrasound. Divided into ten sections, the atlas begins with an introduction to imaging techniques and interpretation, followed by in depth examination of ultrasound for the diagnosis and management of ocular diseases and disorders, including vitreoretinal diseases, trauma, infections and inflammations, tumours, congenital disorders, lesions, and optic nerve disorders. A complete section is dedicated to surgical considerations. This second edition has a completely new section on ultrasound biomicroscopy, and features numerous colour fundus photographs, ultrasound illustrations and external photos, as well as CT scans and MRI scans of the orbit. A DVD ROM image bank is also included. Key points Fully updated, new edition providing latest advances in ophthalmic ultrasound Includes brand new section on ultrasound biomicroscopy DVD ROM image bank Previous edition published in 2006

Atlas of Retinal Detachment

Current Consensus and Controversy

The Coincidence Effect

Retinal Detachment Surgery

Vitreoretinal Disorders

•Compares the 4 main techniques for repair of primary retinal detachment -Written by leading experts in the field -A "hands-on" guide for the retina and vitreous surgeon -Contains instructive, color computer drawings and tables

The value of this book lies in the quality and expertise of the text chapters contributed by multiple international experts across the globe. Clearly written by the contributors providing a global perspective about the subject. Attempts to update the state-of-the-art vitreoretinal surgery in a lucid, authoritative and well-illustrated manner. Detailed reference lists following each chapter provide extensive background support for the text. Outstanding illustrations combined with excellent schematic drawings, beautiful clinical photographs, fluorescein angiograms, and OCT images. Illustrations. Written by a pioneering leader in the development of vitreoretinal surgical techniques and instruments. Vitreous Microsurgery is a comprehensive how-to guide to all vitreoretinal procedures. This thoroughly updated Fifth Edition describes many new techniques and refinements of established procedures. More than 170 three-dimensional full-color illustrations—many by the Charles Retina Institute's resident medical artist, Byron Wood—enable surgeons to clearly visualize the techniques. This edition has new chapters on the Constellation vitrectomy system, uveitis, retinal complications of permanent keratoprosthesis, and anti-VEGF therapy and completely rewritten chapters on anesthesia and on retinopathy of prematurity. All illustrations have been updated, the majority to a 25-gauge approach instead of 20-gauge, and many new illustrations have been added. Many techniques and parameters unique to 25-gauge sutureless vitrectomy are discussed in detail. A companion website offers the fully searchable text and an image bank.

This atlas and textbook aims to provide diverse pictures, facilitating the readers to learn fundus diseases. Retinal detachment is a common group of vitreo-retinal diseases that causes blindness. The diagnosis and differential diagnosis are dependent mostly on ophthalmoscopy and fundus imaging technology. With the development of imaging technology, it is getting easier for ophthalmologist to make quick and accurate decision on the diagnosis. The book includes both common types of retinal detachment and some rare diseases. Moreover, some diseases without but related to retinal detachment are included in the book. In addition to traditional color fundus photos, fundus fluorescent angiography, ultrasound and traditional OCT images, OCT angiography and ultrasound angiography images are included too. This book also contains brief introductions to each disease. Differentiated from detailed review of pathogenesis or treatment, the readers will discover concise yet direct concept. This atlas and textbook is yours to read and enjoy, but also to use as a valuable tool in your management of the patient with retinal detachment. Keep it handy. We hope doctors in training and those who have had certain clinical experiences interested in vitreo-retinal diseases can benefit from this book.

The Retinal Atlas E-Book

Atlas of Ophthalmic Ultrasound and Ultrasound Biomicroscopy

Principles and Practice of Vitreoretinal Surgery

Mechanical Ocular Trauma

Ocular Emergencies

Pathological Myopia is a major cause of severe vision loss worldwide. The mechanisms for vision loss include cataract, glaucoma, retinal detachment, and above all, degeneration of the macula within the posterior staphyloma. Pathological Myopia is one of the only current books to specifically address this disease and discusses recent developments in imaging technologies and various approaches to treatments, such as laser photocoagulation, photodynamic therapy, pharmaco-therapeutic injections in the vitreous, and surgery. Complete with high-quality color images, this book is written and edited by leaders in the field and is geared towards ophthalmologists, including residents and fellows in training, glaucoma and cataract specialists, and vitreoretinal macula experts.

With more than 5,000 images and comprehensive illustrations of the entire spectrum of vitreous, retina, and macula disorders, The Retinal Atlas, 2nd Edition, is an indispensable reference for retina specialists and comprehensive ophthalmologists as well as residents and fellows in training. For this edition, an expanded author team made up of Drs. K. Bailey Freund, David Sarraf, William F. Mieler, and Lawrence A. Yannuzzi, each an expert in retinal research and imaging, provide definitive up-to-date perspectives in this rapidly advancing field. This award-winning title has been thoroughly updated with new images with multimodal illustrations, new coverage and insight into key topics, and new disorders and classifications making it the most useful and most complete atlas of its kind. Provides a complete visual guide to advanced retinal imaging and diagnosis of the full spectrum of retinal diseases, including early and later stages of disease. Enhances understanding by presenting up-to-date imaging modalities, composite layouts, high-power views, panoramic disease visuals, and selected magnified areas to hone in on key findings and disease patterns. Features color coding for different imaging techniques, as well as user-friendly arrows, labels, and magnified images that point to key lesions and intricacies. Covers all current retinal imaging methods including: optical coherence tomography (OCT), indocyanine green angiography, fluorescein angiography, and fundus autofluorescence. Depicts and explains expanding OCT uses, including spectral domain and en face OCT, and evolving retinal imaging modalities such as ultra-wide-field fundus photography, angiography and autofluorescence. Presents a select team of experts, all of whom are true international leaders in retinal imaging, and have assisted in contributing to the diverse library of common and rare case illustrations.

This book offers evidence-based information and a step-by-step guide on all surgical procedures relevant to inflammatory eye disease - a rarity in the textbook literature. Whereas drug management demands an interdisciplinary approach with well-trained specialists, surgical treatment of ocular complications due to inflammation requires an experienced surgeon. In this superbly practical new work, internationally renowned experts in the field provide answers to most of the frequently asked questions. Readers will find answers a host of subjects including the spectrum of clinical manifestations of inflammatory complications and the point at which medical therapy is no longer helpful.

With this book, Dr. Zivonjovic presents to the ophthalmic community the long awaited detailed report of his surgical concepts and operative techniques in the field of vitreoretinal surgery. It is fascinating to read how his concepts for the treatment of complicated retinal detachments evolved from the intra ocular use of silicone oil to a combination of vitreous surgery with silicone oil tamponade. The next step was surgical treatment of the retina itself. It takes an unconventional mind to break major taboos and to state the retinotomies and retinectomies are necessary if scar tissue cannot be surgically removed and that buckling procedures are no longer necessary to treat retinal breaks. This book discusses the use of silicone oil in vitreoretinal surgery. Silicone oil tamponade has been proven to be a major step forward in vitreoretinal surgery and the reported results speak for themselves. The reader may have the impression that silicone is thought to be indispensable for almost all cases undergoing this type of surgery but this modality is used to treat severe cases where the chances of success are greatly enhanced by using silicone oil. Dr. Zivonjovic remains the forerunner and great surgeon who readily admits the limitations of his techniques: "The surgical operative treatment is only partly adequate and, unfortunately, despite the correctly performed operation, often does not lead to the desired result".

Proliferative Vitreoretinopathy (PVR)

Transpupillary Thermotherapy

Microincision Vitrectomy Surgery

Pathologic Myopia

(PVR)

Silicone oil was introduced into ophthalmic surgery by Paul Cibis in the early 1960's in an attempt to treat giant retinal tears and cases where retinal detachment had failed to respond to conventional scleral buckling techniques. His understanding of the nature of vitreous pathology and how it related to complex retinal detachment laid the foundation for modern vitreo-retinal surgery. Cibis's success with these problems together with his rationale for separating membranes from the retina led others to try their hand at learning his techniques. At the same time much criticism was levelled at the concept of injecting what was regarded as a foreign material into the eye, as well as to the whole idea of operating within the vitreous cavity. Some of this was personal, some due to a lack of understanding of the underlying pathology and some due to disappointment following surgical failure using the new methods. Early results were certainly encouraging but it was not until the advent of pars plana vitrectomy that it became possible to develop more refined methods in combination with the use silicone oil so that much better results could be obtained.

OphthoBook is the printed version of the amazing OphthoBook.com online book and video series. The combination of this text, along with the online video lectures, creates the most informative and easy-to-understand ophthalmology review ever written. It is geared toward medical students, optometry students, and non-ophthalmologists who want to learn more about the eye without getting bogged down with mindless detail. The book is broken down into ten chapters: 1. Eye History 2. Anatomy 3. Glaucoma 4. Retina 5. Infection 6. Neuroophthalmology 7. Pediatric Ophthalmology 8. Trauma 9. Optics 10. Lens and Cataract Each chapter also includes "pimp questions" you might be asked in a clinic. Also, an entire chapter of ophthalmology board-review questions, flashcards, and eye abbreviations. Perhaps most useful, each chapter corresponds to the 20-minute video lectures viewable at OphthoBook.com. And lots of fun cartoons!

Retinal Pharmacotherapeutics

Ophthalmology

Options for Repair