

# Michels Retinal Detachment

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 Retinal Detachment  
 A Practical Guide to Minimal Surgery for Retinal Detachment, Vol. 2  
 Macular Surgery  
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 Proliferative Vitreoretinopathy (PVR)  
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 Detachment of the Retina  
 Surgical Techniques in Ophthalmology Series: Retina and Vitreous Surgery  
 Retinal Detachment  
 Retina and Vitreous  
 Vitreoretinal Surgical Techniques, Second Edition

*Michels Retinal Detachment*

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## MAYS MARSHALL

### Primary Retinal Detachment Elsevier Health Sciences

Praised by JAMA as "The most complete description of the development, structure, function, pathophysiology, and treatment of the retina and its diseases to be found anywhere," this monumental three-volume work puts all of today's scientific and clinical knowledge of the retina at readers' fingertips. The New Edition has been comprehensively updated and reorganized to reflect all of the very latest scientific and genetic discoveries, diagnostic imaging methods, drug therapies, treatment recommendations, and surgical techniques. The result is an indispensable reference and diagnostic tool for generalists and specialists alike. Delivers the editorial expertise of four highly respected authorities, as well as contributions from internationally recognized leaders in visual science, ophthalmology, and vitreoretinal studies. Presents more than 3,400 superb illustrations (2,200 in full color) that capture all forms of retinal disease from every perspective. Offers the very latest information on the genetic basis of retinal disease, diagnostic retinal imaging, photodynamic therapy, and age-related macular degeneration. Examines the most recent advances in diagnostic indocyanine green angiography ♦ optical coherence tomography (OCT) and quantitative fluorescein angiography ♦ macular translocation with 360 ♦ peripheral retinectomy ♦ surgery for diffuse macular edema due to multiple causes, including proliferative vitreoretinopathy ♦ artificial vision ♦ and much more. Features a completely restructured section on age-related macular degeneration that includes epidemiology and risk factors ♦ prophylaxis and prevention knowledge gained from large clinical trials like AREDS ♦ proven and experimental treatments for AMD ♦ and pharmacotherapy. Incorporates a multitude of new full-color images, 2200 in all.

### Ryan's Retina Mosby Incorporated

The thoroughly updated Third Edition of this practical guide reflects the growing popularity of new alternative methods for treating primary retinal detachment. This edition features a new chapter on pneumatic retinopexy and state-of-the-art information on balloon buckling and vitrectomy. The authors discuss the latest laser treatment delivery systems and vitreoretinal surgical techniques, including the usefulness of perfluorocarbon liquids and silicone oil. Coverage also includes current concepts on risk factors for retinal tears and detachment and updates on prophylactic strategies. Nearly 200 photographs and drawings, including 56 full-color clinical photographs, complement the text. An Appendix contains case histories that represent the spectrum of retinal detachment presentations and reinforce the authors' clinical management guidelines.

### Retinal Detachment Butterworth-Heinemann

Macular Surgery, Second Edition serves as a comprehensive and contemporary review of macular diseases and their management. An exhaustive review of the latest proven surgical techniques and therapies for treatment of macular disorders is provided, with emphasis on proven techniques from extensive reviews of controlled clinical trials. Specific chapters of the book are devoted to age-related macular degeneration, diabetic retinopathy, macular holes, epiretinal membranes, subretinal hemorrhage, and choroidal neovascularization. An entire section is devoted to prevention of complications from macular surgery. All chapters are written by leading experts within the field. *A Practical Guide to Minimal Surgery for Retinal Detachment, Vol. 2* Lippincott Williams & Wilkins Retinal Detachment: Principles and Practice provides a historical review of current information on the diagnosis and treatment of retinal detachment. It is intended as both an introduction for graduate students in ophthalmology and a concise review or reference for practicing ophthalmologists. The volume defines the types of retinal detachments, their classifications and causes, and covers preoperative examination, preoperative management, prophylactic procedures, surgery, complications of surgery, and results of reattachment surgery. It also includes a historical

introduction, suggested readings at the end of each chapter, and the classic article 'The Technique of Binocular Indirect Ophthalmoscopy,' by Morten L. Rosenthal.

### Macular Surgery Thieme

Dr. Kreissig has spent a lifetime refining and teaching the minimalized approach to repairing retinal detachments. Get the benefit of her experience in an easily accessible, pocket-sized handbook that fits into your lab coat and is also ideal for bedside or office consultation. Volume 2 describes the "art of a minimal approach" by using the balloon or the gases or as reoperation, as treatment for various retinal detachments. The text is excellently illustrated, written in an easy-to-understand fashion and in a dialogue style. Important facts are highlighted in red boxes. The four rules to find the break in a reoperation are depicted on the back cover, thus easy to be looked up. The reader is taken step-by-step through each procedure for easy and more complex detachments. In separate chapters, extraocular and intraocular techniques for retinal reattachment are compared to reoperation. Ophthalmologists, fellows in retinal and vitreous surgery, students and residents will find this information-packed manual essential for diagnosing and repairing retinal detachments. Reserve your copy today!

### Surgical Retina Karger Medical and Scientific Publishers

The text provides basic and comprehensive coverage of all aspects of surgery for the vitreous and the retina. The key to this volume is that it is technique based, thus giving the surgeon clear instructions on how to perform vitreoretinal surgery. Not only is this book authoritative, it is practical. Each chapter is fully illustrated with the steps performed in the actual surgical operation.

### Proliferative Vitreoretinopathy (PVR) Elsevier Health Sciences

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.

### Vitreoretinal Surgical Techniques Elsevier Health Sciences

Master new procedures and improve outcomes with Operative Techniques in Vitreoretinal Surgery. This easy-to-read, "how-to surgical atlas offers expert, step-by-step guidance on how to successfully perform basic retina and vitreous surgery as well as more involved complex and advanced procedures. Edited by Abdish R. Bhavsar, MD, this unique resource focuses on the essentials of operative technique, helping both the novice and advanced retina surgeon make the most of the latest, most effective procedures in this fast-moving field. Covers commonly performed and more complex vitreoretinal surgical techniques as well as surgical approaches to specific disorders—all using up-to-date methods and technology. Contains more than 300 high-quality clinical photographs and illustrations with clear explanations. Includes key topics such as scleral buckle surgery, vitrectomy surgery including 27 gauge, managing intraocular tumors, iris and scleral fixation of dislocated intraocular lenses, including the Yamane technique, the latest ROP surgical management, and modern vitreous implant surgical approaches. Discusses the latest techniques for repairing very large or failed macular holes, robotic retina and vitreous surgery, artificial retinal prosthesis surgery, and delivery of subretinal gene therapy. Highlights clinical pearls, pitfalls, and potential complications throughout. Features more than 60 video clips that demonstrate key procedures and techniques. Enhanced eBook version included with purchase. Your enhanced eBook allows you to access all of the text, figures, and references from the book on a variety of devices.

### Gems of Ophthalmology: Retina Elsevier Health Sciences

This information-packed volume is the ultimate guide for today's vitreo-retinal surgeon. It is written by leading experts in the field. The book begins with an extensive review, analyzing the evolution of

present-day detachment surgery over the past 70 years. Here, a changing pattern of treatment modalities comes into view, with four primary procedures in use at the beginning of the twenty-first century. Experts in the field of retinal and vitreous surgery then describe the following surgical techniques: cerclage with drainage, pneumatic retinopexy, primary vitrectomy, and minimal segmental buckling without drainage. The advantages and disadvantages of each technique are assessed in relation to case selection, single operation attachment, final attachment, complications, visual function, and cost effectiveness. The techniques are then compared with each other. The volume continues with a description of the use of modern adjuvant pharmacotherapy (intravitreal triamcinolone acetonide, anti-metabolites, fluorouracil, daunorubicin, heparin, etc.) to improve the surgical and functional outcome of these techniques. Finally, in the chapter entitled "Outlook for the Future," new imaging techniques (ballistic light imaging, refined ultrasonography, wide angle pseudo color SLO, etc.) and anti-proliferative drugs are discussed. Ophthalmologists, fellows in retinal and vitreous surgery, and students and residents will find this book essential for diagnosing and repairing a primary retinal detachment: The book contains instructive, color computer drawings and tables.

*Operative Techniques in Vitreoretinal Surgery E-Book* Thieme

Unequaled in scope, depth, and clinical precision, Retina, 5th Edition keeps you at the forefront of today's new technologies, surgical approaches, and diagnostic and therapeutic options for retinal diseases and disorders. Comprehensively updated to reflect everything you need to know regarding retinal diagnosis, treatment, development, structure, function, and pathophysiology, this monumental ophthalmology reference work equips you with expert answers to virtually any question you may face in practice. Consult this title on your favorite e-reader with intuitive search tools and adjustable font sizes. Elsevier eBooks provide instant portable access to your entire library, no matter what device you're using or where you're located. Examine and evaluate the newest diagnostic technologies and approaches that are changing the management of retinal disease, including future technologies which will soon become the standard. Put the very latest scientific and genetic discoveries, diagnostic imaging methods, drug therapies, treatment recommendations, and surgical techniques to work in your practice. Benefit from the extensive knowledge and experience of esteemed editor Dr. Stephen Ryan, five expert co-editors, and a truly global perspective from 358 other world authorities across Europe, Asia, Australasia, and the Americas. Make the best use of new technologies with expanded and updated coverage of optical coherence tomography (OCT), fundus imaging, and autofluorescence imaging. Apply the latest knowledge on anti-VEGF therapy for age related macular degeneration, diabetic retinopathy and vein disease. Learn about artificial vision, drug delivery to the posterior segment, advances in macular surgery, vitrectomy, and complex retinal detachment, with updates on tumors, retinal genetics, cell biology, important basic science topics, and much more. Get the most out of new pharmacologic approaches in the management of age-related macular degeneration and diabetic retinopathy. In your practice, diagnostic evaluations, and now even treatments, will be influenced by recent scientific discoveries such as in the areas of nanotechnology, neuro protection, stem cells and gene therapy, among other scientific contributions. View videos of surgical procedures and access the complete contents of Retina, 5th Edition online at [www.expertconsult.com](http://www.expertconsult.com), fully searchable, with regular updates and a downloadable image gallery.

**Vitreous Microsurgery** Springer Science & Business Media

The Fifth Edition of Gass' Atlas of Macular Diseases, by Dr. Anita Agarwal, provides expert diagnostic guidance on macular disorders and quickly brings you up to date on this evolving specialty. Using a case-based approach, it richly depicts a full range of retina and macular diseases, including new infectious, degenerative, and dystrophic conditions. Take advantage of the latest imaging technologies to identify common and rare disorders, and confirm difficult diagnoses with the aid of more than 5,500 high-quality images. Rely on the same unique, richly illustrated case-descriptive format—encompassing history, clinical examination, and follow-up—that popularized the original book by the late Dr. Donald Gass, the famed ophthalmologist whose clinical expertise set new standards in macular diagnosis. Get expert diagnostic guidance under the new authorship of Dr. Anita Agarwal, a protégé of Dr. Gass who has compiled the ultimate collection of images and hard-to-find case studies from around the world. Visualize the conditions you're likely to see in practice and confirm your diagnoses by comparing your clinical findings to more than 5,500 images and illustrations (over 3,500 in full color). Obtain thorough advice on imaging and recognition of a full range of common and rare macular diseases using the latest approaches including fluorescein angiography, optical coherence tomography (OCT), indocyanine green (ICG), and fundus autofluorescence.

*Retinal Detachment Surgery and Proliferative Vitreoretinopathy* Oxford University Press

Dr. Kreissig has spent a lifetime refining and teaching the minimalized approach to repairing retinal detachments. Get the benefit of her experience in an easily ...

**Retinal Detachment** Lippincott Williams & Wilkins

This reference studies the most recent advances in the development of ocular drug delivery systems. Covering methods to treat or prevent ocular inflammation, retinal vascular disease, retinal degeneration, and proliferative eye disease, this source covers breakthroughs in the management of endophthalmitis, uveitis, diabetic macular edema, and age-

**Retinal Detachment** CUP Archive

Aims to give the trainee ophthalmologist an overview of the diagnosis and management of retinal detachment. The many advances in vitreoretinal surgery have led to a complete revision, and much new material, particularly in the treatment of complex retinal detachments by vitrectomy, has been

added.

**A Practical Guide to Minimal Surgery for Retinal Detachment** Springer Science & Business Media

This volume in the new Surgical Techniques in Ophthalmology series offers step-by-step authoritative guidance on how to successfully perform basic retina and vitreous surgery for retinal detachments, and epiretinal membranes as well as more involved procedures such as complex scleral buckle for ROP and vitrectomy surgery for PVR. A wealth of full-color illustrations and photographs, tricks of the trade, clinical pearls, and a complete list of instruments and devices help you hone your skills and optimize every outcome. Best of all, a concise format complements the commentary and the surgical procedures on the accompanying DVD show you exactly how to proceed. Covers basic surgical principles as well as more involved procedures such as complex scleral buckle for ROP and vitrectomy surgery for diabetic tractional retinal detachments. vitreous surgery for PVR, ROP, and tumors, so you can refresh your technique or implement new ones. Features 200 full-color illustrations and a bonus DVD containing operative video clips of every vitreoretinal procedure you will need to know, to help you master new procedures, improve outcomes, and learn the latest techniques faster. Discusses post-operative care and potential complications of each surgical procedure, preparing you for any challenges you may face.

**A Practical Guide to Minimal Surgery for Retinal Detachment, Vol. 1** Oxford University Press

Since the introduction of vitrectomy in the 1970s, vitreoretinal surgery has rapidly developed. Initially, new instrumentations were created to facilitate intraocular maneuvers and to treat almost all the vitreoretinal pathologies. High speed vitrectome probs, forceps, scissors, endolaser probes, and new light sources (xenon/photon light) permit us to perform safer surgeries. However, in the last few years the approach to vitreoretinal surgery has changed with the introduction of small gauge instruments and sutureless surgery. At present there is still confusion among vitreoretinal surgeons about the use of 25-, 23- or 20-gauge sutureless systems. Leading surgeons in the field were recruited to offer their insights into the sutureless techniques they perform. Topics dealt with in the book include: - fluidics and technical characteristics of 23- and 25-gauge systems, - basic vitrectomy techniques of 23- and 25-gauge systems, - sclerotomy characteristics of the sutureless approach, - advantages and disadvantages of the sutureless technique, - vitreoretinal pathologies treated with 23- and 25-gauge systems, - complications of the sutureless technique, - current clinical data.

**Retinal Detachment** Elsevier Health Sciences

This clinically oriented book provides a complete overview of Proliferative vitreoretinopathy (PVR) Retinal Detachment, a difficult surgical challenge faced by ophthalmologists. Small gauge vitrectomy offers new possibilities to tackle this difficult pathology however this surgical approach may differ from one retinal surgeon to the next. To reflect the various approaches to treating PVR, the book is divided up in three parts. In the first part the authors describe the complete variety of surgical techniques applied to PVR detachment. In the second section, well-known international surgeons from Europe to Asia describe their personal surgical approach for PVR detachment and demonstrate their surgery in videos. In the third part, a large variety of retinal surgeons show case reports of PVR retinal detachment to give a complete overview of dealing with this complex retinal disorder.

*Ryan's Retina E-Book* Mosby Elsevier Health Science

This single, comprehensive source describes the current knowledge of the pathogenesis and management of retinal detachment. It presents various methods used to treat retinal detachments and differing opinions on the safety and efficacy of techniques. And, it also discusses the management of predetachment lesions, subclinical detachments, complicated cases and the fellow eye.

*Gass' Atlas of Macular Diseases* Lippincott Williams & Wilkins

From the foreword: "Microsurgery of Retinal Detachment is an important contribution to the practice of vitreoretinal surgery. In this comprehensive volume, Dr. Bonnet shares her extensive experience in the management of conditions ranging from retinal tears and primary retinal detachment to giant retinal breaks and vitreoretinal surgery. The field of microsurgery has continued to evolve over the last twenty years, both for the anterior segment surgeon and, since 1970, for the vitreoretinal surgeon. Although there have been extensive descriptions of vitrectomy techniques, little has been written about microsurgical techniques for scleral buckling operations. This subject is well covered in the present edition, which consequently will be a valuable resource to the majority of retinal surgeons who do not as a rule employ microsurgery in the repair of retinal detachments."

*Microsurgery of Retinal Detachment* Elsevier Health Sciences

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.