

Optics And Refraction A K Khurana

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Diseases of Ear, Nose and Throat-Ebook - P. L. Dhingra 2017-10-07

The present edition is revised, updated and expanded. New clinical photographs, diagrams, tables and flowcharts have been added to make the subject clear. A unique feature of this edition is white board lectures and videos, depicting through animations, the surgical procedures.
Review of Ophthalmology - A. K. Khurana 2007-01-01

INTRODUCTION TO BIostatISTICS AND RESEARCH METHODS - P. S. S. SUNDAR RAO 2012-01-09

The last decade has produced many textbooks on Biostatistics, with varying emphasis and degrees of mathematical complexity. This book has stood the test of time and continues to enjoy wide acceptance among students of all health and allied professions, other students and even qualified health investigators, who find it practical, simple and yet precise. This fully updated and thoroughly revised Fifth Edition, while retaining the fundamental concepts, acquaints the reader with the advances in the subject. The book explains the concepts involved in arriving at the sample size and also a quick solution to the estimation of sample size. Survival analysis and log-rank test are illustrated with examples. The essentials of Chi square tests are simplified and presented. Two-way analysis of variance (ANOVA) is explained with two examples, with and without interaction term. The chapters on Research Methods, Interventional Studies and Observational Studies provide step-by-step guide to plan and carry out quality research. Questions given in each

chapter will help the learner to gauge the level of understanding of the principles and applications. Clues to the use of computer packages are provided whenever necessary. Intended for undergraduate and postgraduate medical students as well as for nursing and paramedical students, the book will also be immensely useful to medical/health faculty and researchers in the field of Biostatistics. KEY FEATURES : A new chapter on Sample Size Determination Several new sections Extensive revision of practically all chapters Provision of new examples Chapter-end exercises
Moedrn System of Ophthalmology - Dr. A. K. Khurana 2014

Manual of Optics and Refraction - PK Mukherjee 2014-12-20

Errors of refraction are the most common ocular disorders for which people seek ophthalmic consultancy. Manual of Optics and Refraction is a comprehensive guide to the optics of the human eye and various errors of refraction, including their clinical presentation and management. Divided into eleven chapters, the text extensively covers the physical properties of light, its modification as laser and fibre optic devices, various types of optical devices, their optics, errors of refraction and their clinical presentation and management. Manual of Optics and Refraction provides a comprehensive and clinically based guide to visual optics. The text offers a straightforward approach to the understanding of clinical optics, refraction and contact lens optics, making it useful to trainees, postgraduates and medical teachers, as well as practicing optometrists. Key Points The complex

concepts of optics are given easy-to-understand explanations, enhanced by simple illustrations. Over 300 full colour and black and white illustrations, images and tables. Covers scientific principles, optical devices and refractive surgeries.

Clinical Optics - Andrew R. Elkington 1999-08-25
Written to help trainee ophthalmologists, this textbook is now the recognised text on optics for the examinations of the Royal College of Ophthalmologists and the Royal Surgical Colleges. It approaches the subject from first principles and assumes no previous knowledge of optics. The book has been kept as simple as possible and is liberally complemented with diagrams designed to be easily understood and memorised. Only the most fundamental and clinically useful mathematical formulae are quoted, and the optical principles are applied to clinical situations. Ophthalmology examinations have changed substantially since the last edition was written and a total rewrite of this essential guide has become necessary. The third edition has been made more comprehensive and detailed to keep up with these changes and incorporates three new chapters: refractive surgery, contact lenses and lasers. Other new material includes photometry, visual acuity, contrast sensitivity, colour vision, absorptive lenses, fluorescence, ultrasound, and the specular microscope.

Theory And Practice Of Optics And Refraction - Khurana 2008-09

The second edition of Theory and Practice of Optics and Refraction has been thoroughly revised and updated keeping in mind the tremendous advances which have occurred in the field of optics and refraction. The main aim of the book is to meet the needs of trainee and practicing ophthalmologists, optometrists and orthopticians in the subject of theory and practice of optics and refraction. About the Author : - AK Khurana is currently Senior Professor and Unit Head, RIO, PGIMS, Rohtak. He has been teaching Ophthalmology for more than twenty eight years. He has published ten books and more than 110 scientific papers in national and international journals of repute. He has been editor of Haryana Journal of Ophthalmology and North Zone Journal of Ophthalmology. Dr Khurana was awarded WHO

fellowship for higher studies at Moorfields Eye Hospital, London. He was also selected for a study course at International Centre for Eye Health (ICEH), Institute of Ophthalmology, London, and awarded Certificate in Tropical Ophthalmology (CTO) by the University of London (UK). He is a life member of several Ophthalmological Societies of India. In addition to attending various conferences and workshops in India, he has the pride of participating in a well organized course on Strabismus and Ocular Motility at the world's most prestigious Orthoptic Department at Moorfields Eye Hospital, London.

Subjective Refraction and Prescribing Glasses - Richard J. Kolker 2018-06-15

Basic refraction is a foundational part of ophthalmology, and yet beginning ophthalmology residents and ophthalmic technicians are often left on their own to learn the finer points. Despite being core skills, the techniques and practical aspects of subjective refraction and prescribing glasses are often developed by trial and error, if they are developed at all. Subjective Refraction and Prescribing Glasses: The Number One (or Number Two) Guide to Practical Techniques and Principles, Third Edition is designed as a complete guide to those essential skills, offering everything from basic terminology to tips, tricks, and best practices. This updated Third Edition has been expanded in every section with thoughtful, practical advice, and has case scenarios, in a question and answer format, of situations encountered with real-world patients. It is the most comprehensive review of clinical subjective refraction to date. Drs. Richard Kolker and Andrew Kolker together have nearly 50 years of experience in the practice of ophthalmology and bring both the fresh eyes of a beginning ophthalmologist and the experience of a seasoned veteran to this Third Edition. While new residents and technicians will appreciate the thorough explanation of refractive fundamentals, even expert ophthalmologists will appreciate the practical tips that may have never occurred to them. Included are: Very clear, easy-to-read, practical explanations of the subjective refraction process. Basic practical optics to explain the steps of subjective refraction. The Jackson Cross Cylinder made easy to understand

and use Plus and minus cylinder methods discussed separately and color coded for quick identification An Appendix with a primer on retinoscopy and how to use the manual lensometer The art of subjective refraction and prescribing glasses Subjective Refraction and Prescribing Glasses: The Number One (or Number Two) Guide to Practical Techniques and Principles, Third Edition is the definitive guide to the often neglected skills involved in clinical subjective refraction. Residents and technicians will find it a critical guide in their learning process, but even seasoned ophthalmologists can benefit from the tips and tricks enclosed within.

Comprehensive Notes in Ophthalmology -
Sahu Chinmaya

Binocular Vision and Ocular Motility - Hermann
M. Burian 1974

Comprehensive Ophthalmology - A. K. Khurana
2014-02-22

The fifth edition of this outstanding textbook has been thoroughly revised and updated without changing the basic structure and organization. New features to this edition comprise -• Corneal dystrophies have been described as per the new IC3D (2008) classification• New dry eye classification and management as per the DEWS (Dry Eye Workshop) recommendations• Recent advances in cataract surgery with newer designs and models of intraocular lenses• Completely changed primary angle-closure glaucoma text as per the newer concepts and guidelines by the Association of International Glaucoma Societies (AIGS)• Addition of Optical Coherence Tomography (OCT) with description of common macular disorders• Addition of anti-VEGF agents and intraocular irrigating solutions among ocular therapeutics• Comprehensive coverage and update on community ophthalmology
About the Author: Contents: Section I : Anatomy, Physiology and Diseases of the Eye• Anatomy and Development of the Eye• Physiology of Eye and Vision• Optics and Refraction• Diseases of the Conjunctiva • Diseases of the Cornea • Diseases of the Sclera• Diseases of the Uveal Tract• Diseases of the Lens• Glaucoma• Diseases of the Vitreous• Diseases of the Retina• Neuro-ophthalmology • Disorders of

Ocular Motility• Diseases of the Eyelids• Diseases of the Lacrimal Apparatus• Diseases of the Orbit• Ocular Injuries• Ocular Therapeutics, Lasers and Cryotherapy in Ophthalmology• Systemic Ophthalmology • Community Ophthalmology
Section II : Practical Ophthalmology• Clinical Methods in Ophthalmology• Clinical Ophthalmic Cases• Darkroom Procedures• Ophthalmic Instruments and Operative Ophthalmology.

The Retinoscopy Book - John M. Corboy 2003
For over 25 years, The Retinoscopy Book: An Introductory Manual for Eye Care Professionals has been the only basic instruction manual designed specifically to teach the art of clinical retinoscopy. This best-selling classic has been updated and revised to include the latest changes involving the retinoscope, and to meet the developing needs of students in ophthalmology and optometry. Sections on minus cylinders, concave mirror retinoscopy for high refractive errors, and a catalog of instruments have been expanded to reflect the most recent innovations. New sections on retinoscopy after refractive surgery and instrument maintenance are unique to this fifth edition. This text is designed to supplement the Joint Commission on Allied Health Personnel in Ophthalmology (JCAHPO) instruction courses for technicians or to facilitate a do-it-yourself training program for ophthalmology residents, ophthalmic technicians, optometry students, and other eye care professionals in training. Figures and illustrations supplement time-tested exercises to facilitate learning. The user-friendly format prevalent throughout the text enables students to develop a complete understanding of the retinoscope and its many uses.

Recent Advances in Ophthalmology - 14 - HV
Nema 2019-06-30

This book is the latest volume in the Recent Advances in Ophthalmology series providing ophthalmic trainees and ophthalmologists with the latest surgical and technological developments in the field. Divided into 21 chapters, each section is dedicated to a specific topic, explaining symptoms, investigation techniques, imaging, differential diagnosis and treatment methods. The pros and cons of various surgical procedures are covered in depth. New to this volume is discussion on advances in

lamellar keratoplasty, deep anterior lamellar keratoplasty, Descemet's membrane endothelial keratoplasty (DMEK), and a new technique - keratopigmentation. The text features nearly 400 clinical photographs, diagrams, flowcharts and tables to assist learning. Key points Latest volume in Recent Advances in Ophthalmology series Covers latest surgical and technological developments in the field Features new topics and nearly 400 images, flowcharts and tables Previous volume (9789386322784) published in 2017

A Textbook of Optics - N Subrahmanyam et. al 2004

This textbook has been designed to provide necessary foundation in optics which would not only acquaint the student with the subject but would also prepare for an intensive study of advanced topics in optics at a later stage. With an emphasis on concepts, mathematical derivations have been kept at the minimum. This textbook has been primarily written for undergraduate students of B.Sc. Physics and would also be a useful resource for aspirants appearing for competitive examinations.

Strabismus Surgery and its Complications - David K. Coats 2007-04-25

This comprehensive atlas and textbook on strabismus surgery and its complications provides complete instruction for the surgical management of the strabismus patient. The text is lavishly illustrated with artwork and photographs, and supported by sample references.

Diagnostic Procedures in Ophthalmology - HV Nema 2014-05-30

New edition presenting latest developments in ophthalmic diagnostic procedures. Fully revised and many new chapters. Previous edition published in 2009.

Ory Practice Squint Orthoptics - A. K. KHURANA 2018

Theory and Practice of Optics and Refraction - Dr. A. K. Khurana 2013-10-15

Duke-Elder's Practice of Refraction - David Abrams 1993

The purpose of this book is to introduce students and practitioners to the essential principles, theory and practice of correcting defects in the

optical system of the eyes and their associated muscles.

Clinical Examination in Ophthalmology - E-Book - P. K. Mukherjee 2016-05-28

Revised and updated version of the last edition keeping its clear and systematic style intact with complimentary access to e-book with digital resources like MCQs, videos, animations • A new chapter on Nystagmus • Revised & updated topics enriched with additional photographs, figures and diagrams • Many disorders that were listed just by name in the last edition have been given small description for ready reference. • Complimentary access to e-book with digital resources: o University and PGMEE patterned MCQs o Procedure videos and animations • In-depth discussion of signs, symptoms and history taking • Practical tips and points useful in day-to-day clinical practice • Highlights applied anatomical and physiological principles underlining each procedure • Systematic presentation of information - each chapter devoted to specific system of eye
Ophthalmic Nursing - Khurana 2008-02-01

Manual of Optics & Refraction - PK Mukherjee 2020-10-31

Geometrical and Visual Optics, Second Edition - Steven H. Schwartz 2013-07-09

Complete coverage of optics information for clinicians. This 2 edition is a comprehensive introduction to the optical principles upon which clinical practice is based. Among the features of this student-friendly textbook are: Self-assessment questions at the end of every chapter. Comprehensive practice examinations. Workbook-style approach teaches students a problem-solving methodology, avoids unnecessary mathematics.

Comprehensive Ophthalmology - AK Khurana 2019-06-30

The new edition of this comprehensive textbook is a complete guide to the diagnosis and management of ocular disorders. The text has been reorganised into six key sections - Anatomy and Physiology, Optics and Refraction, Diseases of the Eye and Ocular Adnexa, Ocular Therapeutics, Systemic and Community Ophthalmology, and Practical Ophthalmology. The seventh edition has been fully revised with

many new topics added to cover the latest advances in the field. Nearly 1000 clinical photographs, diagrams and tables further enhance the text. The accompanying free book 'Review of Ophthalmology' provides multiple choice questions (MCQs) commonly encountered in examinations, to assist revision. Key points Comprehensive guide to diagnosis and management of ocular disorders Fully revised seventh edition, with new topics included Accompanying free book provides MCQs to assist revision Previous edition (9789351526575) published in 2015

Essentials of Ophthalmology - Samar K Basak 2015-01-20

Basic Ophthalmology - Renu Jogi 2016-10-17 Fully revised, new edition presenting students with latest information in field of ophthalmology. Covers all sections of the eye and associated disorders and diseases. Previous edition published in 2008.

Comprehensive Ophthalmology - AK Khurana 2015-08-31

The supplementary book Review of Ophthalmology is also thoroughly revised and updated with recent advances, new concepts and principles of investigation, treatment, and surgical procedures developed since the previous edition. The second half of the book provides multiple choice questions corresponding to each of the twenty review chapters. -- Publisher.

The Ophthalmic Assistant E-Book - Harold A. Stein 2017-01-31

Freeman, is your go-to resource for practical, up-to-date guidance on ocular diseases, surgical procedures, medications, and equipment, as well as paramedical procedures and office management in the ophthalmology, optometry, opticianry or eye care settings. Thoroughly updated content and more than 1,000 full-color illustrations cover all the knowledge and skills you need for your day-to-day duties as well as success on certification and recertification exams. This comprehensive text provides essential learning and practical guidance for ophthalmic assistants, technicians, medical technologists, physician assistants, and all others involved in ocular care, helping each become a valuable asset to the eye care team.

Full-color visual guidance for identification of ophthalmic disorders, explanations of difficult concepts, and depictions of the newest equipment used in ophthalmology and optometry. Quick-reference appendices provide hospital/practice forms for more efficient patient record keeping, conversion tables, and numerous language translations, plus information on ocular emergencies, pharmaceuticals, and more. Updated throughout with the latest information on basic science, new testing procedures, new equipment, the role of the assistant in the practice, and an expanded chapter on OCT imaging. A new bonus color image atlas tests your clinical recognition of disease and disorders of the eye. Four brand-new chapters cover the latest industry advances regarding dry eye, vision function and impairment, uveitis, and surgical correction of presbyopia.

Anatomy & Physiology of Eye, 2e (HB) - A. K. Khurana 2008-02-01

Textbook of Contact Lenses - Rajesh Sinha 2017-01-31

This book is a comprehensive guide to the complete field of contact lenses for optometrists and ophthalmic assistants. Beginning with an introduction to the evolution of contact lenses and the relevant anatomy and physiology, the following chapters explain the different types of contact lenses, materials and fitting, and lens solutions. Chapters dedicated to the use of contact lenses with certain ocular conditions such as astigmatism, keratoconus and aphakia, are also included. The final sections discuss complications associated with wearing contact lenses and also the fitting of lenses after refractive surgery. The fifth edition has been fully revised to provide the very latest information and features images, diagrams and tables to enhance learning. Key Points Comprehensive guide to contact lenses for optometrists and ophthalmic assistants Fully revised new edition providing latest information in the field Covers all types of contact lenses and potential complications Includes use of lenses with specific ocular disorders and after refractive surgery

Parson's Diseases of the Eye - E-Book - Sihota 2014-12-10

A trusted textbook for undergraduate students for more than 100 years, which also caters to the basic needs of postgraduate students and practitioners. The book was first published in 1907, and on account of its clear and friendly presentation style as well as its authoritative coverage of ocular disorders, it quickly became a fundamental text for students. Since then the book has maintained its popularity with students through regular revisions and updates. The 19th edition of this book was especially adapted to the context of Indian subcontinent with a special mention about the infections that occur predominantly in this region. The 22nd edition continues this trend by presenting unparalleled guidance on nearly every ophthalmic condition and procedure, including the latest advances in the field, making the book more comprehensive and contemporary.

- Inclusion of Important Points to Remember at the end of the book
- Addition of new clinical photographs, flowcharts, and tables to facilitate quick learning
- Extensively revised and updated edition
- Reader-friendly version with information highlighted in points, flow charts and tables
- Information provided to help prepare for PG entrance and other competitive examinations

Kanski's Clinical Ophthalmology E-Book - Jack J. Kanski 2015-03-24

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 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.

Ophthalmic Assistant - PK Mukherjee
2013-05-30

Ophthalmic Assistant is a practical guide to basic ophthalmology for trainees and allied health assistants. Beginning with the anatomy and physiology of the eye, the following chapters discuss symptoms and clinical examination. Each of the following sections describes the diagnosis and treatment of diseases and disorders in different parts of the eye, including lids, lacrimal system, orbits, cornea, retina and lens. Written in simple language, this comprehensive manual is enhanced by nearly 360 photographs, illustrations and tables to help trainees understand the clinical features of numerous ocular disorders and prescribe appropriate treatment. Key points Practical guide to basic ophthalmology for trainees and allied health assistants Covers diagnosis and treatment of disorders and diseases in all parts of the eye Presented in easy to read format, with simple language Includes nearly 360 clinical photographs, illustrations and tables

Vegetative Physiology and Biochemistry - Hugh Davson 2014-05-12

The Eye: Volume 1, Vegetative Physiology and Biochemistry is a compendium of papers that describes the physiology of the eye, particularly its gross anatomy and embryology including its intra-ocular fluids, the intra-ocular pressure, the vitreous body, lens, cornea, and sciera. Several papers review the eyeball, the protective apparatus of the eye, the structure of the tissue in relation to the intra-ocular fluids, and the flow of aqueous humor. Several methods can be used to measure the intra-ocular pressure such as the manometric method and the tonometer. Giles (1959) reports that tonometer measurements in the newborn are within the normal adult range. One paper notes that in man, liquefaction of the vitreous body (the clear jelly-like structure which

fills the space between retina and lens,) which is caused by dissolution of the fibrous network, is never repaired. This suggests that new fibers are either not formed or are formed in insufficient amounts. Another paper examines the relationship between pressure in the eye vessels and eye tension. Investigators and researchers in the fields of physiology, psychology, ophthalmology, and in all branches of ocular physiology will find the compendium very rewarding.

Modern System Ophthalmology Mso Ser - CBS Publishers & Distributors 2016-03-01

Review of Ophthalmology E-Book - William B. Trattler 2016-12-20

Designed to maximize easy retention and quick recall, *Review of Ophthalmology*, 3rd Edition, by Drs. Neil J. Friedman, Peter K. Kaiser, and William B. Trattler, is the best-selling review book you can trust to get you successfully through your exams. An efficient, easy-to-digest format distills key information into highly relevant bullet points. You'll quickly master what you need to know in all subspecialty areas, including the latest information on today's standard diagnostic techniques, medical treatments, and surgical options. Covers the most important and relevant aspects of each topic in a concise, bulleted format for easy recall and effective exam preparation. Highlights the text with hundreds of clinical and histological images, OCT and other current imaging methods, anatomic details, common ophthalmic test findings, and more. Presents the findings of key clinical studies with which you are expected to be familiar. Provides thoroughly revised content in every chapter, with extensive updates on new imaging standards and diagnosis and treatment for eye disorders. Test your understanding of essential information with an expanded collection of review questions following every chapter.

FAQs in Ophthalmology - N. Venkatesh Prajna 2013-01-30

This book is a compilation of the frequently

asked questions and the answers expected in a postgraduate ophthalmology examination. The examination time is a tough period to any student facing it, and a quick and concise revision is required for the student to pass it. While this book is not a replacement to the standard textbooks in ophthalmology, it will boost the self-confidence of the postgraduates to face their exams with confidence. These questions have been painstakingly gathered over a 10-year period from the collective experience of several senior teachers at Aravind Eye Hospital, Madurai, Tamil Nadu, India and the answers have been constantly refined. Apart from the exam-oriented questions, this book contains examples of case sheet writing and different management scenarios, which will help the students to logically analyze and answer in a coherent manner. Book jacket.

Agarwal's Principles of Optics and Refraction - L. P. Agarwal 2019-04-30

Textbook on Clinical Ocular Pharmacology & Therapeutics - Renu Agarwal 2014-09-30

This book is a comprehensive guide to ocular pharmacology for trainees and practising ophthalmologists. Beginning with the basic physiological aspects of ocular pharmacology and ophthalmic drug administration, the following sections discuss different types of drugs used in the treatment of eye disease. The final sections examine contact lens care systems, nutritional supplements and adverse effects of systematically administered drugs into the eye. This useful, quick reference text is highly illustrated with more than 145 images and tables. Key points Comprehensive guide to ocular pharmacology for trainees and practising ophthalmologists Covers different drugs for treatment of eye diseases Includes section on adverse effects of systematically administered drugs Highly illustrated with more than 145 images and tables

Theory and Practice of Optics and Refraction - Aruj K. Khurana 2018