

Pickwell S Binocular Vision Anomalies

Pickwell's Binocular Vision Anomalies E-Book Binocular Anomalies Pickwell's Binocular Vision Anomalies Binocular Vision Anomalies Binocular Vision Anomalies Anomalies of Binocular Vision The Art of Investigating Binocular Vision Anomalies Binocular Vision Anomalies Pickwell's Binocular Vision Anomalies Non-Strabismic Binocular Vision Anomalies in Asthenopic Patients Essentials of Clinical Binocular Vision Clinical Management of Binocular Vision Clinical Optics and Refraction Normal Binocular Vision Treatment of Binocular Vision Anomalies that Underlie Reading and Writing Difficulties Optometry: Science, Techniques and Clinical Management E-Book Binocular Anomalies Primary Care Optometry Binocular Anomalies: Normal binocular vision MEPC: Optometry: Examination Review Bruce J. W. Evans John R. Griffin Bruce J. W. Evans David Pickwell David Pickwell Robert P. Rutstein Michelle M Rundström Mitchell M. Scheiman Bruce J. W. Evans Gosai Radhika Erik M. Weissberg Mitchell Scheiman Andrew Keirl David Stidwill Wolfgang Anton Dusek Mark Rosenfield John R. Griffin Theodore Grosvenor John R. Griffin Linda Casser

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now in a fully up to date 6th edition pickwell s binocular vision anomalies provides a practical introduction to binocular vision offering comprehensive theory how to clinical guidance and a summary of current research in a single consolidated volume ideally suited for both students and clinicians this bestselling text serves as an accessible evidence based reference when faced with binocular vision or pediatric challenges covers routine examinations and testing protocols including ciss questionnaire cover test foveal suppression fixation disparity four prism diopter base out test lindblom s method and double maddox rod test includes numerous video clips of key testing procedures including new clips on mallett fixation disparity test and fusional reserve testing as well as an interactive video quiz to help you test your knowledge features

sweeping content updates such as the latest information on 3 d displays therapeutic uses of computer games and virtual reality for vision therapy computerized testing methodologies binocular and accommodative mechanisms associated with myopia updated prescribing criteria therapeutic use of contact lenses detection of pathology associated with strabismus drugs causing diplopia and the evidence based treatment of convergence insufficiency syndrome and amblyopia contains helpful study features throughout including clinical key points boxes step by step test routines typical features of extraocular muscle palsies and syndromes and case study boxes that cover important clinical and legal scenarios and new boxes that summarize testing procedures for each of the main binocular vision tests 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

the comprehensive approach of this authoritative book focuses on vision therapy and addresses surgical and pharmacological treatment of binocular vision problems discussion of normal binocular vision lays the foundation for examining poor visual skills strabismus amblyopia various associated conditions and oculomotor disorders each chapter contains a detailed outline which acts as an excellent review and provides access to basic information and key topics numerous summary tables and figures promote focused learning and provide quick access to information the enhanced how to approach provides specific vision training techniques explores the management of medical and neurological binocular problems making this book applicable for primary eye care practitioners as well as specialists in vision therapy extensive appendices provide practical supplemental information 100 questions with answers and detailed chapter outlines act as excellent review guides a cd rom included with the book contains popular training techniques and forms that can be modified to accommodate specific needs for office use and additional training

the previous editions of this book established it as a standard text on binocular vision anomalies it was popular with students and practitioners because of the how to do it approach which kept the theory of binocular vision to the minimum necessary to understand the investigative and therapeutic procedures

the aim of this book is to provide students and practitioners with a clinical text on the investigation and management of binocular vision anomalies by methods other than medicine and surgery

this comprehensive text explains the diagnostic and optometric management procedures involved in the care of patients with binocular vision anomalies it is a clinically oriented text that can be used by the student as well as the clinician it provides thorough descriptions of the many binocular vision anomalies describes the necessary testing procedures to correctly diagnose each disorder and suggests the most appropriate management featuring many illustrations photos and case studies particularly on strabismus and incomitant deviations it presents an orderly practical approach to diagnosis differential diagnosis and treatment decision making every

topic area in binocular vision anomalies is included from heterophoria and accommodative disorders to severe strabismic disorders discusses not only the most common forms of treatment for a particular anomaly but also discusses less known but deserving treatment alternatives providing the reader with an understanding of the full range of treatment possibilities in each chapter an anomaly is identified then classified according to its significant symptoms and clinical findings once a diagnosis is certain the appropriate forms of treatment are discussed editors rutstein and daum are well known and respected in their field they are scientists who have lectured extensively have written many articles and have a wealth of clinical experience organized to take the reader from the base to the tip of the pyramid of binocular vision sensory anomalies are discussed first integrative anomalies next and motor anomalies last an invaluable reference for both optometrists and ophthalmologists features many references and case studies contains approximately 309 illustrations and photographs providing the reader with a clear visual guide to the disorders and their management features clinical pearls succinct bits of clinical wisdom that are boxed within the text for easy reference outlines appear at the beginning of each chapter giving the reader a quick overview of chapter content glossary appears at the end of the book defining key words that appear in the text

binocular vision investigation is often considered to be a confusing and challenging subject deficient investigation leads practitioners to become frustrated lack confidence in the diagnosis and to choose inadequate management our view is that difficulty in obtaining the correct diagnosis occurs as a consequence of substandard investigation namely using the wrong test and conducting the correct tests but using deficient techniques we have attempted to remedy this by writing the second edition of our guide which has a practical emphasis to binocular vision investigation our aim was to prepare a practical guide to demystifying diagnosis in binocular vision anomalies the content is based on our understanding of current standard clinical practice extensive experience of diagnosing and managing binocular vision problems and teaching binocular vision at student and practitioner levels we have not attempted to cover all aspects of binocular vision and this book is not meant to be a reference text it is intended to be a step by step guide to assist the practitioner in developing and improving clinical techniques to enable accurate diagnoses and successful management by using this book to improve their binocular vision investigation practitioners will be able to better assist their patients

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nonstrabismic binocular dysfunction is one of the most commonly reported conditions in nonpresbyopic subjects with asthenopic symptoms worldwide these are vision disorders which mostly affect the binocularity and visual performance of subjects particularly with difficulty in near vision they are mainly categorized into vergence anomalies and accommodative anomalies there is a wide variations in the prevalence of these vision disorders the differences exist because of different diagnostic criteria used in the earlier studies however there is a lack of consensus in the scientific literature on what diagnostic criteria should be used to define each anomaly existing large difference between them exact diagnosis forms an integral part of vision therapy for treatment of nonstrabismic binocular vision disorder many occupation and schools and colleges require long term use of reading material and computers this causes individuals with binocular vision anomaly to slow down in their activities hence their performance is hampered the purpose of this study is to use greater number of diagnostic signs and to determine the frequency of binocular vision anomalies in indian population

ideal for the diagnosis and management of patients with binocular vision anomalies this practical and accessible manual includes all types of binocular vision problems not just the most common non strabismic varieties clinical conditions are presented in a concise straightforward and clinically relevant format with topics organized by general information signs symptoms differential diagnosis work up treatment and follow up a separate section for diagnostic and treatment procedures contains all the diagnostic procedures that are required for the effective work up of patients with binocular vision problems helpful charts and tables are also provided and contain a variety of information arranged in an easily referenced highly portable format

this basic text covers the evaluation diagnosis and treatment of the most prevalent vision disorders in a clinical optometrist s or ophthalmologist s practice coverage includes the most common non strabismic binocular vision disorders including accommodative and eye movement disorders as well as amblyopia coverage of each diagnostic category includes background information symptoms case analysis and

management options case studies appear at the end of each chapter this edition includes three new chapters on primary care of binocular vision accommodative and eye movement disorders myopia control and binocular vision problems associated with refractive surgery the thoroughly revised chapters on vision therapy procedures and instrumentation describe the latest equipment and computer software the chapters on advanced diagnostic and management issues have been updated with the latest research

it provides a comprehensive and clinically based guide to visual optics with its suggested routines and numerous examples this new book offers a straightforward how to approach to the understanding of clinical optics refraction and contact lens optics designed for easy access it presents information in a concise format that highlights key need to know points part 1 addresses the basic visual optics of the eye along with emmetropia ametropia and the correction of ametropia with spectacle lenses part 2 turns to the optics of contact lenses and the use of contact lenses in vision correction numerous worked examples based on real examination questions practical and user friendly text over 190 clear line diagrams an essential passport to examination success and a valuable quick reference for practitioners

binocular vision i.e. where both eyes are used together is a fundamental component of human sight it also aids hand eye co ordination and the perception of the self within the environment clinical anomalies pose a wide range of problems to the sufferer but normal binocular operation must first be understood before the eye specialist can assess and treat dysfunctions this is a major new textbook for students of optometry orthoptics and ophthalmology and also of psychology chapters span such key topics as binocular summation fusion the normal horopter anatomy of the extra ocular muscles oculomotor control binocular integration and depth perception fully illustrated throughout the book includes self assessment exercises at the end of each chapter and sample experiments in binocular vision functioning

an introduction to the theory and practice of optometry in one succinct volume from the fundamental science of vision to clinical techniques and the management of common ocular conditions this book encompasses the essence of contemporary optometric practice now in full colour and featuring over 400 new illustrations this popular text which will appeal to both students and practitioners wishing to keep up to date has been revised significantly the new edition incorporates recent advances in technology and a complete overview of clinical procedures to improve and update everyday patient care contributions from well known international experts deliver a broad perspective and understanding of current optometric practice a useful aid for students and the newly qualified practitioner while providing a rapid reference guide for the more experienced clinician comprehensive and logical coverage detailing the full spectrum of optometric practice in one volume succinctly covers the basics of anatomy physiology pharmacology investigative techniques and clinical management of common eye conditions to provide key topics likely to be met in clinical practice discusses the full range of refractive correction from spectacles and contact lenses to

surgical treatment includes chapters on the management of special populations including paediatric elderly low vision and special needs patients heavily illustrated throughout with key diagrams and images to support the text complete restructuring of contents into three sections basic sciences clinical techniques and patient management full colour throughout with over 400 illustrations many new chapters reflecting the changes in optometric practice and technology over the last 20 years including new imaging and diagnostic procedures and methods of ocular treatment and refractive correction now includes internationally renowned authors from around the world details a full range of refractive and management approaches for patient care

an ideal resource for anyone involved in eye care students opticians optometrists and ophthalmologists this resource provides comprehensive coverage of the diagnosis and management of common eye and vision problems key topics include procedures for myopia control or reduction as well as the co management of refractive surgery and ocular disease this book is also an excellent guide to detecting systemic diseases that can have an effect on the visual system complete coverage of key optometric skills including how to take a comprehensive ocular and health history how to thoroughly investigate ocular health status how to perform a thorough refractive and binocular vision examination how to prescribe corrective lenses and or vision therapy how to co manage refractive surgery and ocular disease comprehensive discussions of the theory behind each optometric procedure an emphasis on current non surgical methods of myopia control and reduction as well as methods of caring for patients with impaired vision a logical organization divided into three main parts anomalies of refraction and binocular vision optometric examination and diagnosis and management in depth coverage of topics that include objective refraction subjective refraction binocular vision examination corneal topography measurement ophthalmic lenses geriatric optometry vision impairment control of myopia and management of ocular diseases in a primary care optometric practice an increased emphasis on changes in vision likely to occur in older patients including age related vision loss expanded coverage of hot topics in optometry such as diabetes and macular degeneration four new chapters covering hyperopia age related vision problems age related vision loss and care of the vision impaired patient the user friendly layout now features more tables boxes and illustrations to speed you to important information a new full color design offers a wealth of vivid illustrations that clearly depict important procedures concepts and techniques

this complete review is the perfect resource for optometry students preparing for national state or local examinations optometrists seeking state licensure and for busy practitioners seeking to keep abreast of changes in the field the proliferation of new technologies techniques and knowledge in this field are thoroughly addressed to cover all contemporary optometry features of the fourth edition 1 000 multiple choice questions explanatory answers for each question significantly expanded completely reorganized and revised to reflect changes in the field and on the nbeo exam updated references in each chapter and supplemental reading information provided

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