

Pickwell S Binocular Vision Anomalies

Binocular Vision and Stereopsis Normal Binocular Vision Clinical Management of Binocular Vision Pickwell's Binocular Vision Anomalies E-Book Pickwell's Binocular Vision Anomalies The Journal of Ophthalmology, Otology and Laryngology Binocular Vision and Ocular Motility Ophthalmology, E-Book Foundations of Binocular Vision: A Clinical Perspective Index-catalogue of the Library of the Surgeon-General's Office, United States Army A Textbook on Diseases of the Eye Index-catalogue of the Library of the Surgeon-General's Office, United States Army A Text-book on diseases of the eye Primary Care Optometry Binocular Vision and Ocular Motility Clinical Optics and Refraction Roy and Fraunfelder's Current Ocular Therapy Pickwell's Binocular Vision Anomalies Anomalies of Binocular Vision The Theory of Binocular Vision Ian P. Howard David Stidwill Mitchell Scheiman Bruce J. W. Evans Bruce J. W. Evans Gunter K. Von Noorden Myron Yanoff Barbara A. Steinman National Library of Medicine (U.S.) Henry Drury Noyes Library of the Surgeon-General's Office (U.S.) Henry Drury Noyes Theodore Grosvenor Hermann M. Burian Andrew Keirl Frederick Hampton Roy Bruce J. W. Evans Robert P. Rutstein Ewald Hering Binocular Vision and Stereopsis Normal Binocular Vision Clinical Management of Binocular Vision Pickwell's Binocular Vision Anomalies E-Book Pickwell's Binocular Vision Anomalies The Journal of Ophthalmology, Otology and Laryngology Binocular Vision and Ocular Motility Ophthalmology, E-Book Foundations of Binocular Vision: A Clinical Perspective Index-catalogue of the Library of the Surgeon-General's Office, United States Army A Textbook on Diseases of the Eye Index-catalogue of the Library of the Surgeon-General's Office, United States Army A Text-book on diseases of the eye Primary Care Optometry Binocular Vision and Ocular Motility Clinical Optics and Refraction Roy and Fraunfelder's Current Ocular Therapy Pickwell's Binocular Vision Anomalies Anomalies of Binocular Vision The Theory of Binocular Vision *Ian P. Howard David Stidwill Mitchell Scheiman Bruce J. W. Evans Bruce J. W. Evans Gunter K. Von Noorden Myron Yanoff Barbara A. Steinman National Library of Medicine (U.S.) Henry Drury Noyes Library of the Surgeon-General's Office (U.S.) Henry Drury Noyes Theodore Grosvenor Hermann M. Burian Andrew Keirl Frederick Hampton Roy Bruce J. W. Evans Robert P. Rutstein Ewald Hering*

this book is a survey of knowledge about binocular vision with an emphasis on its role in the perception of a three dimensional world the primary interest is biological vision in each chapter physiological behavioral and computational approaches are reviewed in some detail discussed and interrelated the authors describe experiments required to answer specific questions and relates them to new terminologies and current theoretical schemes

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

this fourth edition of clinical management of binocular vision uses the past five years of research studies and literature to provide an accurate look at today's diagnosis and treatment of binocular vision written with an emphasis on proper evaluation diagnosis and treatment each condition is covered in depth and includes background information symptoms case analysis and management options this edition also includes the latest information on new vision therapy equipment easy to read and understand this book is ideal for faculty when designing courses students studying these topics for the first time or established practitioners looking for a practical easy to use reference on accommodative ocular motility and nonstrabismic vision anomalies

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 ciiss 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

this title is directed primarily towards health care professionals outside of the united states going from strength to strength this best selling book on binocular vision anomalies is now in its fifth edition maintaining its popular and practical how to approach it has been thoroughly updated and expanded to provide an excellent practice reference for all optometrists orthoptists ophthalmologists and dispensing opticians now with an easy to use 2 colour layout and redrawn diagrams the new edition is more accessible than ever covering the latest evidence based research it provides an emphasis on the clinical applications for every eyecare practitioner still a must have classic this is the definitive reference work on binocular vision disorders comprehensive theory is rooted in reality for use from study into clinical practice enlarged enhanced authoritative and erudite includes a cd rom thorough revisions on routine examination including the latest testing routines new material

on the development of visual functions in children recent key research on heterophoria including the latest computerized exercise methods important clinico legal case studies in amblyopia and the latest evidence based accounts of the condition extensive updating on strabismus fresh text design using a second colour for both text and diagrams updated cd with more clips and an invaluable incomitancy presentation and quiz

now in its 6th edition this classic text lauded by archives of ophthalmology as the gold standard for strabismus textbooks continues to provide you with everything you need to diagnose and treat the full spectrum of disorders this new edition is simply the best and most comprehensive resource available in the field of strabismus it presents the latest information on the pharmacological treatment of amblyopia chemodenervation in place of surgery for certain types of strabismus use of botulinum toxin for treatment of extraocular muscles and much more the 6th edition of this complete and extensive reference has been fully updated and expanded to offer the latest information on both the theoretical and practical aspects of diagnosis and management readers will find highly illustrated and extensively referenced descriptions of state of the art procedures presented in an easy to read format features coverage of the newly discovered muscle pulleys and their clinical significance the etiology of a and v pattern strabismus the etiology of infantile esotropia strabismus in high myopes and more offers the international perspective of a new co author dr campos fully illustrated with over 650 photographs and line drawings over 40 of which are brand new to this edition reinforces text discussions with numerous case reports reflects the current literature with hundreds of new references discusses the perceptual and functional aspects of binocular cooperation in depth includes a brand new chapter on chemodenervation of extraocular muscles botulinum toxin plus expanded coverage of sensory signs symptoms and binocular adaptations in strabismus amblyopia and depth perception

through five highly regarded editions ophthalmology by drs myron yanoff and jay s duker has remained one of the premier texts in the field providing authoritative guidance on virtually any ophthalmic condition and procedure you may encounter the fully revised 6th edition of this award winning title continues to offer detailed superbly illustrated content from cover to cover with extensive updates throughout to keep you current with the latest advancements and fundamentals throughout every subspecialty area in the field an easy to follow templated format convenient single volume and coverage of both common and rare disorders make this title a must have resource no matter what your level of experience offers truly comprehensive coverage including basic foundations through diagnosis and treatment advances across all subspecialties genetics optics refractive surgery lens and cataract cornea retina uveitis tumors glaucoma neuro ophthalmology pediatric and adult strabismus and oculoplastics features streamlined templated chapters a user friendly visual layout and key features boxes for quick access to clinically relevant information and rapid understanding of any topic contains four new chapters covering phototherapeutic keratectomy iol optics bag in the lens cataract surgery and capsulectomy modern devices apart from flacs includes a fully revised and updated chapter on refractive surgery screening and corneal imaging as well as an expanded chapter on corneal cross linking provides up to date information on the latest advances in the field including new therapies for retinoblastoma such as intravenous and intraarterial chemotherapy less common retinal tumor simulators of retinoblastoma oct angiography glaucoma stents new drug delivery platforms iol

optics phototherapeutic keratectomy intraocular pressure monitoring and more includes more than 2 000 high quality illustrations and an expanded video library with more than 60 clips of diagnostic and surgical techniques including new videos of nystagmus contains updated management guidelines for central retinal artery occlusions crao provides fresh perspectives from new section editors drs carol shields and sumit sam garg 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

from a renowned author team comes a clinically oriented approach to the introductor study of binocular vision essential reading for second year optometry students this vital core text covers testing procedures diagnostic issues and treatment modalities in preparation for more advanced clinical work key points to remember for national board exams are highlighted and discussions of clinical applications and procedures abound in every chapter

collection of incunabula and early medical prints in the library of the surgeon general s office u s army ser 3 v 10 p 1415 1436

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

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

this book is designed to be concise with a consistent format so that the clinician can focus on a specific area this edition has had major modifications and embraces evidence based medicine the format includes the cpt codes for billing purposes short description of the condition etiology incidence course prognosis laboratory findings differential diagnosis prophylaxis treatment local and systemic surgical or other miscellaneous names and addresses of support groups and key references incorporates evidence based medicine so you feel confident that you re formulating the best treatment plans for your patients color photos allow you to read about and actually see a picture of select disease entities clear concise format can be photocopied and distributed to patients in some cases reducing your time spent explaining problems to patients and caregivers

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

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

the theory of binocular vision is a book about neurological control theory in this sense it was far ahead of its time for the formal development of control theory was

many decades in the future when this book appeared in 1868 hering s principal concept is that the control of eye movements is greatly simplified if there is only one neurological control system commanding the double eye as a single organ this idea leads directly to the first thorough exposition of what is now known as hering s law that the corresponding muscles of the two eyes are always equally innervated as hering eloquently states it one and the same impulse of will directs both eyes simultaneously as one can direct a pair of horses with single reins ch 2 the 19th century the book was written during an exciting era for physiological research before the mid 19th century the study of physiology had been limited to isolated efforts by great men who worked largely without colleagues or organized laboratories now for the first time of inquiry with many sensory physiology was becoming a living field groups working simultaneously on fundamental problems like the classical greeks before them in philosophy the physiologists of the 19th century were defining in a burst of creative energy the problems 1 2 introduction which would shape subsequent inquiry and like the greeks they produced a splendid period of science

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