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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.

Recent dramatic advances in diagnosis, as well as medical and surgical treatment, mean that you can offer your glaucoma patients more timely and effective interventions. This brand-new clinical reference delivers the comprehensive, expert guidance you need to make optimal use of these new approaches. online, in print, and on video on DVD Get in-depth guidance on all aspects of adult and paediatric glaucoma with one volume devoted to diagnosis and medical treatment, and another that focuses on surgical techniques.

This book provides a wide-ranging overview of artificial intelligence (AI), machine learning (ML) and deep learning (DL) algorithms in ophthalmology. Expertly written chapters examine AI in age-related macular degeneration, glaucoma, retinopathy of prematurity and diabetic retinopathy screening. AI perspectives, systems and limitations are all carefully assessed throughout the book as well as the technical aspects of DL systems for retinal diseases including the application of Google DeepMind, the Singapore algorithm, and the Johns Hopkins algorithm. Artificial Intelligence in Ophthalmology meets the need for a resource that reviews the benefits and pitfalls of AI, ML and DL in ophthalmology. Ophthalmologists, optometrists, eye-care workers, neurologists, cardiologists, internal medicine specialists, AI engineers and IT specialists with an interest in how AI can help with early diagnosis and monitoring treatment in ophthalmic patients will find this book to be an indispensable guide to an evolving area of healthcare technology.

This Oxford Specialist Handbook is a concise, practical yet comprehensive guide to ophthalmic anaesthesia, covering anatomy, specific anaesthetic techniques and principles, and recent changes in the field.

The Certified Ophthalmic Assistant Exam Review Manual, Second Edition is a revised edition of the best selling exam preparation manual. It is an essential resource for anyone preparing to become certified as an ophthalmic assistant. With over 650 exam-style questions and explanatory answers, illustrations, and photographs, this user-friendly text is excellent for both learning and reviewing important eye care topics. Subjects include taking a patient history, lensometry, measuring intraocular pressure, understanding optics, and much more. This edition is also helpful for students and others studying for certification in optometry, contact lenses, and opticianry.

This comprehensive, clinically-grounded textbook, now in its fourth edition, supports orthoptists and ophthalmologists in decision-making through the patient care process, from presentation to discharge. Written by authors with extensive experience in teaching and research, Diagnosis and Management of Ocular Motility Disorders offers a clear and practical overview of assessment and management principles and further explores the clinical features of specific disorders, from amblyopia and infantile strabismus to supranuclear and infranuclear disorders, as well as other miscellaneous disorders of ocular movement. A brand new chapter on congenital cranial dysinnervation disorders reflects recent advances in gene mapping and increased understanding of this condition, and a new appendix provides surgical dose tables for easy reference. Now in full colour throughout, with additional diagrams and photographs of surgical techniques, this remains the key reference text for orthoptic and ophthalmic professionals managing patients with eye movement disorders.

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!

This handbook offers a systematic summary of ophthalmic disease directed towards diagnosis, interim assessment and ongoing management. Now including an extensive online image bank the fourth edition provides rapid access to the information when it is needed, whether in the clinic, theatre or on the ward

This handbook is designed to help shape the thought processes of the eye clinician or trainee and guide them toward the right decision-making pathway in emergency ophthalmology situations. Chapters are titled by the way cases present to eye casualty rather than condition, along with an algorithmic approach on what clinical and laboratory investigations to carry out. There is also guidance on how to perform simple procedures. It is aimed at trainees, general ophthalmologists and those with an interest from allied specialties (including specialist nurses) and professions such as optometrists and emergency medicine doctors. Key Features Stresses safe and practical navigation of common eye symptoms presented in an emergency setting. Provides guidance on differential diagnosis and includes useful decision-making flowcharts. Emphasizes "how to" approach the eye casualty patient. Shows what can be expected at each stage of the eye injury patient encounter. Presents in-

formation appropriate for the entire multi-disciplinary eye casualty team

A sound knowledge of basic sciences is vital for any doctor with an interest in ophthalmology, and is a significant part of all postgraduate examinations in the subject. Featuring 640 multiple choice questions, this is a comprehensive revision guide for candidates taking the basic sciences component of the FRCOphth and ICO examinations. It is high!

Titles in the Pocket Tutor series give practical guidance on subjects that medical students and foundation doctors need help with 'on the go', at a highly-affordable price that puts them within reach of those rotating through modular courses or working on attachment. Topics reflect information needs stemming from today's integrated undergraduate and foundation courses: Common presentations Investigation options (e.g. ECG, imaging) Clinical and patient-orientated skills (e.g. examinations, history-taking) The highly-structured, bite-size content helps novices combat the 'fear factor' associated with day-to-day clinical training, and provides a detailed resource that students and junior doctors can carry in their pocket. Key points New edition features completely updated text and revised diagnostic algorithms Over 50 brand-new, high-quality clinical images Highly-affordable price and convenient pocket-size format Breaks down a subject that students receive little teaching on using clear images, concise and informative text, and specific management scenarios

The updated Third Edition of this manual is a comprehensive self-assessment review of ophthalmology and a valuable study aid for any ophthalmologist or ophthalmologist-in-training. It contains over 3,000 true/false, matching, and multiple-choice questions covering the entire field of ophthalmology, including the subspecialties. Answers are provided along with brief explanations and extensive references. Several hundred new questions have been added to this new edition, with significantly updated content and revised, expanded explanations. Two new chapters cover General Medicine and International Ophthalmology. This edition also includes more than 100 full-color photographs depicting ocular pathology and ophthalmic conditions.

The Eye: Basic Sciences in Practice provides highly accessible, concise coverage of all the essential basic science required by today's ophthalmologists and optometrists in training. It is also essential reading for those embarking on a career in visual and ophthalmic science, as well as an invaluable, current refresher for the range of practitioners working in this area. This new fourth edition has now been fully revised and updated in line with current curricula, key research developments and clinical best practice. It succinctly incorporates the massive strides being made by genetics and functional genomics based on the Human Genome Project, the new understanding of how the microbiome affects all aspects of immunology, the remarkable progress in imaging technology now applied to anatomy and neurophysiology, as well as exciting new molecular and other diagnostic methodologies now being used in microbiology and pathology. All this and more collectively brings a wealth of new knowledge to students and practitioners in the fields of ophthalmology and visual science. For the first time, this (print) edition also now comes with bonus access to the complete, fully searchable electronic text - including carefully selected additional information and new video content to further explain and expand on key concepts - making The Eye a more flexible, comprehensive and engaging learning package than ever before. The only all-embracing textbook of basic science suitable for trainee ophthalmologists, optometrists and vision scientists - other books concentrate on the individual areas such as anatomy. Attractive page design with clear, colour diagrams and text boxes make this a much more accessible book to learn from than many postgraduate textbooks. Presents in a readable form an account of all the basic sciences necessary for an understanding of the eye - anatomy, embryology, genetics, biochemistry, physiology, pharmacology, immunology, microbiology and infection and pathology. More on molecular pathology. Thorough updating of the sections on pathology, immunology, pharmacology and immunology. Revision of all other chapters. More colour illustrations Comes with complete electronic version

.this book represents a real milestone for low vision care because it is one of the first low vision books in the world, and the first from the UK, that doesn't just give lip service to multi-disciplinary collaboration- it has a multi-disciplinary authorship. Barbara Ryan, Research Associate, School of Optometry and Vision Sciences, Cardiff University, Cardiff, UK Low Vision Manual is a comprehensive guide and up-to-date reference source, written by clinical and research experts in the fields of disease detection and management; primary and secondary optometric care; low vision optics and prescribing; counselling and rehabilitation. All these areas are explored in this book in four key sections: Section One: Definition of low vision and its epidemiology Section Two: The measurement of visual function of the visually impaired Section Three: The optics and practical tips on prescribing low vision aids Section Four: Rehabilitation strategies and techniques This is an important reference tool for all professionals involved with the visually impaired. The book covers everything a practitioner will need on a day-to-day basis. Clear layout with practical tips, worked examples and practical pearls will enable the front-line eye-care professional to provide patients with sound, research-based clinical care and rehabilitation. An essential reference for: . Ophthalmology . Optometry . Orthoptics . Ophthalmic nursing . Visual rehabilitation . Occupational therapy . Social work . Peer work . Psychology . Dispensing opticians

This well-illustrated two volume set covers the field of ophthalmology, from the fundamentals to the most recent advances. Each section is dedicated to a specific area of the eye and covers basic techniques, investigative modules and treatment methods. With the help of 2500 images and illustrations, this book covers topics such as glaucoma, ocular oncology, nystagmus, refractive surgery, strabismus and lasers in ophthalmology. Low vision, medico-legal aspects, operating room sterilisation and ocular emergencies are also discussed.

Clinical Orthoptics has become established as a basic reference text providing fundamental information on anatomy, innervation and orthoptic investigation, plus diagnosis and management of strabismus, ocular motility and related disturbances. It is aimed at trainee ophthalmologists and orthoptic undergraduate students. Qualified orthoptists, general ophthalmologists and optometrists will also find valuable guidance in these pages. In this edition, the author has maintained the goal of producing a user-friendly, clinically relevant and succinct book, while revising it to reflect a variety of developments in the field. FEATURES Essential reading for students of orthoptics and ophthalmology Now fully revised and updated Generously illustrated with photographs and line drawings Includes diagnostic aids, case reports, and helpful glossary

Arguably the most important ancillary test available to ophthalmologists worldwide, optical coher-

ence tomography (OCT) has revolutionized the field, and now includes angiographic evaluations (OCTA) that provide vascular flow data without eye injection. Handbook of Retinal OCT is an easy-to-use, high-yield guide to both OCT and OCTA imaging for practitioners at any stage of their career. Highly templated, concise, and portable, this revised edition helps you master the latest imaging methods used to evaluate retinal disease, uveitis, and optic nerve disorders. Helps all health professionals with an interest in OCT to better and more quickly interpret OCT imaging, offering quick, highly visual guidance for evaluating age-related macular degeneration, diabetic retinopathy, retinal vein occlusion, and much more. Provides quick answers with bulleted, templated chapters, each focused on one specific diagnosis or group of diagnoses with a particular OCT appearance. Demonstrates how the full spectrum of diseases presents through approximately 400 illustrations, including the highest-quality spectral-domain OCT images available and more than 50 new OCTA images. Includes five new chapters covering optic nerve disease with retinal findings, pachychoroid diseases, paracentral acute middle maculopathy (PAMM), auto-immune retinopathies, and primary uveal lymphoma. Offers clear visual guidance on image patterns with multiple arrows and labels throughout to highlight key details of each disease.

This completely updated top-seller in ophthalmology continues the tradition of the highly popular Secrets Series(R). From basic science to visual fields and refraction, from the basic eye exam to discussions of all ophthalmologic disorders, from contact lenses to corneal transplantation, problems of the aging eye, and pediatric disorders-this book presents all the key elements of ophthalmology for clinical use and for rounds and board preparation. Concise answers that include the author's pearls, tips, memory aids, and "secrets" Second edition features increased coverage of hot topics such as refractive surgery and topical anaesthesia Bulleted lists, algorithms, and illustrations for quick review 56 succinct chapters written by experts their fields All the most important "need-to-know" questions and answers in the proven format of the highly acclaimed Secrets Series Thorough, highly detailed index Highly successful first-edition From Wills Eye Hospital, one of the leading eye centers in the U.S.

This book provides ophthalmic surgeons with a concise, clinical guide to performing the fundamentals steps in phacoemulsification cataract surgery. Clear diagrams, images, and videos are used throughout and the information can be adapted to a particular consultant's own technique once the surgical principles are understood. The chapters serve as a modular framework that allows for safe, effective learning of skills and use as a clinical training resource. Phacoemulsification Cataract Surgery serves as a helpful teaching aid for consultants, especially newly appointed, who have little experience in teaching. Basic fundamental rules are provided as a guide for training others to improve surgical techniques in clinical practice. Recently qualified and experienced consultants will find this book to be an indispensable resource for learning and teaching in the area of phacoemulsification cataract surgery.

The first edition of this volume, published in 2012, has become an indispensable reference for clinicians, a fact that inspired the making of this 2nd edition. The book starts with a discussion of current achievements and limitations of the medical therapy of glaucoma. The focus is then placed on conventional glaucoma procedures such as trabeculectomy, deep sclerectomy, and glaucoma drainage device surgery. A chapter is dedicated to the postoperative management of filtering procedures. Further chapters review the role of the ocular surface and the issue of modulation of the scarring processes in glaucoma surgery. The second section covers some promising new devices and techniques. The final part addresses the surgical approaches to some specific clinical challenges: angle-closure glaucoma, concomitant cataract and glaucoma, pediatric glaucoma, and refractory glaucomas. This volume provides residents and general ophthalmologists with valuable new insights into the fascinating and sometimes complex aspects of glaucoma surgery. It will also assist glaucoma specialists when they review and validate therapeutic approaches with their patients.

Rapid advances in identifying the epidemiology, physiology, and genetics of glaucoma have led to dramatic developments in diagnostic and therapeutic techniques. This new text offers you concise coverage of every major clinical breakthrough, as well as the basic science needed to thoroughly understand all manifestations of the disease. It is written by a who's who of international experts, who share their tips and techniques in every information-filled chapter. The book begins with important new details on etiology, genetics, and epidemiology, and then covers intraocular pressure, the optic nerve, different types of glaucoma, and various treatment strategies. More than 270 color illustrations augment the text and clarify all concepts. Benefit from these special features: Key discussions of the pathophysiology of the disease, as well as the pharmacologic mechanisms of different drugs and their efficacy Valuable diagnostic decision diagrams that lead to quick and accurate decision-Helpful pearls, pitfalls, and special considerations that offer guidance in specific situations and show how to avoid problems and complications Nearly 300 superb, full-color illustrations that depict the distinguishing features of each entity Inclusion of such cutting-edge material as neuroprotection, and several other new topics Whether you are an experienced practitioner needing a quick review or a resident learning a topic for the first time, Glaucoma: Science and Practice is packed with essential clinical and scientific information. Here is the timely, current, and practical resource you need to understand the complexities of glaucoma and provide optimal patient care.

This textbook reviews the novel techniques employed in corneal transplantation. It will assist fellows and corneal surgeons in using these techniques to best effect and in selecting patients for surgical procedures, taking into account the benefits and risks. Until 15 years ago the state-of-the-art type of corneal transplantation was penetrating keratoplasty. Since the start of this millennium, however, important advances have been made in developing new surgical techniques. Today, the vast majority of keratoplasty procedures are performed as delicate lamellar procedures, either with the assistance of fine microkeratomes or femtosecond lasers or using very advanced surgical dissection procedures. Corneal Transplantation provides detailed information on these and other advances, which have helped patients undergoing keratoplasty to achieve a much faster visual recovery and a more stable eye with less risk of rejection episodes.

Designed as an easy-to-use, practical guide to tumors of the eye, lids, and orbit, this Open Access book comprehensively addresses surgical treatment and management of diseases related to ophthalmic oncology. Surgical Ophthalmic Oncology: A Collaborative Open Access Reference is an ideal reference for general ophthalmologists, surgeons, fellows and trainees around the world who encounter these diseases in the care of their patients. Notably, this book includes considerations for those ophthalmologists offering subspecialty care in environments with limited access to advanced technology and instrumentation. Individual chapters address diagnostic indications, pre-operative and post-operative concerns, and provide detailed explanations of surgical techniques required to manage various eye cancer ailments with help of ample illustrations. High-quality videos included throughout the book provide readers with the opportunity to review surgical steps in real-time as a learning tool. Chapters thoroughly cover tumors of eyelid, cornea and conjunctiva, orbit as well as intraocular tumors, while later chapters discuss ophthalmic radiation therapy. The book concludes with a section on ophthalmic pathology which details essential guidelines on relevant aspects from specimen collection and transport, to interpretation of the pathology report. Surgical Ophthalmic Oncology: A Collaborative Open Access Reference is a unique and necessary valuable resource for ophthalmologists, trainees, and related medical professionals working in underserved areas in providing quality care for patients suffering from ocular cancers.

For more than 25 years, The Wills Eye Manual has been a best-selling source of authoritative guidance on treating ocular disorders in an office, emergency room, or hospital setting. The 7th Edition introduces exciting new changes to bring this pocket-sized reference thoroughly up to date - including high-quality multimedia content - while retaining the features that have made it so useful in daily practice.

The classic reference covering the diagnosis and treatment of all major ophthalmic diseases, as well as neurological and systemic diseases causing visual disturbance-extensively revised and updated Features State-of-the-art coverage of diagnostic techniques and therapeutic interventions for the full range of ophthalmic disorders Chapters dedicated to ophthalmic therapeutics, neuro-ophthalmology, ocular disorders associated with systemic diseases, immunologic diseases of the eye, pediatrics, genetics, preventive ophthalmology and lasers The latest clinical perspectives on such topics as: Treatments for age-related macular degeneration, including anti-VEGF therapies Intraocular steroid injections for retinal diseases Immunomodulatory drugs Treatment of corneal infections Medical and surgical treatments for glaucoma Detailed appendices on visual standards, practical factors in illumination, rehabilitation of the visually handicapped, and special services available to the blind Latest references

The second edition of this excellent and highly popular textbook continues to address the Royal College of Ophthalmologists (RCOphth) syllabus for trainee ophthalmologists and is an essential read for those studying ophthalmology, optometry and orthoptics. As a theoretical and practical aid, it guides readers through postgraduate Ophthalmic Specialist Training. Emphasis is placed on the practical assessment and management of key ophthalmic conditions. Clearly laid out and highly illustrated in full colour throughout, each condition is discussed in two or three-pages, beginning with general explanations of the pathophysiology and clinical evaluation, followed by differential diagnoses and treatment options. This thoroughly revised second edition includes new chapters on paediatric ophthalmology, refractive surgery and microsurgical skills. This text will appeal to foundation doctors, specialist trainees in ophthalmology, candidates preparing for the Fellowship of the Royal College of Ophthalmology (FRCOphth) examination, consultants in ophthalmology and practitioners looking for a comprehensive but accessible guide to the subject.

Fully updated for a third edition, Training in Ophthalmology remains the indispensable guide to address the Royal College of Ophthalmologists (RCOphth) syllabus for trainee ophthalmologists, and is essential for all those studying ophthalmology, optometry, and orthoptics. As a theoretical and practical aid, it guides the reader through postgraduate Ophthalmic Specialist Training. Emphasis is placed on the practical assessment and management of key ophthalmic conditions. Clearly laid out and highly illustrated in full colour throughout, each condition is discussed in two to three pages, beginning with general explanations of pathophysiology and clinical evaluation, followed by differential diagnoses and treatment options. This new edition has been fully revised to increase emphasis on instilling an understanding of the rationale of current practice from first principles, with summary tables of seminal studies and distilled guidelines from the RCOphth and NICE. This text will appeal to foundation doctors, specialist trainees in ophthalmology, candidates preparing for the Fellowship of the Royal College of Ophthalmology examination, and consultants and allied practitioners looking for a comprehensive yet accessible guide to the subject.

"Pharmaceuticals is the art of pharmaceutical preparations. It encompasses design of drugs, their manufacture and the elimination of micro-organisms from the products. This book encompasses all of these areas."--Provided by publisher.

Ocular Surface Disease: Cornea, Conjunctiva and Tear Film incorporates current research and the latest management strategies as well as classification systems and treatment paradigms for all forms of ocular surface disease. This is the first comprehensive resource that helps you to meet ocular surface disease challenges effectively using today's best medical and surgical approaches. Get the complete, evidence-based guidance you need to provide optimal care for your patients with ocular surface disease. Implement the latest drug treatments and surgical interventions to provide better outcomes with fewer complications. Hone and expand your surgical skills by watching videos of leading experts performing advanced procedures including ocular surface transplantation techniques; amniotic membrane transplantation; pterygium surgery; lamellar keratoplasty (DALK) in ocular surface disease; and keratoprosthesis surgery. Visualize how to proceed by reviewing detailed, full-color images and consulting new classification systems and treatment paradigms for mild to severe forms of ocular surface disease. Take it with you anywhere! Access the full text, downloadable image library, video clips, and more online at expertconsult.com.

This third edition expands on the success of the best-selling second edition to create the most practical and accessible ophthalmology manual for trainees. With its succinct, practical text, profusion of clinical photos and descriptions of procedures, the Moorfields Manual of Ophthalmology has established itself as one of the most popular and recognisable clinical resources available to ophthalmologists and optometrists. Trainee reviewers provided feedback on the second edition that guided improvements to the third edition: DESIGN Colour coded chapter tabs to improve navigation Descriptions of common procedures appear in discrete boxes, making them more prominent and accessible STRUCTURE New Triage chapter provides 15 algorithms based on common signs and symptoms, and refers readers to the relevant sections on management CONTENT All content updated in line with current best practice Key Studies sections summarising landmark trials and their relevance to clinical practice Additional and replacement photos showing better, clearer examples of clinical signs Additional colour diagrams depicting anatomic structures and procedures Selective inclusion of less common diseases and treatments

Undergraduate Ophthalmology is specially designed for medical students pursuing MBBS course. The book comprehensively covers the basic and clinical aspects of ophthalmology in a structured, concise and simple manner, amply aided by illustrations for easy understanding. It includes relevant recent advances in ophthalmology.

Ophthalmic Nursing provides an overview for those just setting out in a role within ophthalmic nursing. It includes basic and comprehensible anatomy and physiology - the foundations for understanding how the eye functions and why and how problems occur - and relates them to the care and needs of the patient. This accessible text includes evidence-based procedure guidelines and the inclusion of reflective activities in most chapters allows readers to apply their knowledge to the realities of the care setting. Also covered are the most recent National Institute for Health and Care Excellence (NICE) guidelines for glaucoma and age-related macular degeneration. Since the publication of the fourth edition, there have been many advances in the care and management of the ophthalmic patient. The authors have updated the chapters accordingly and included new colour images and diagrams. References, further reading and websites have also been updated to reflect current trends. A valuable resource for nurses in practice and training, this book continues to be the 'go-to' source for those caring for the ophthalmic patient.

A Manual of Systematic Eyelid Surgery, Third Edition delivers clear, step-by-step descriptions and detailed line diagrams depicting many of the most commonly performed eyelid surgery procedures which the author finds most useful, including the newest aesthetic techniques.

Complete evidence-based medical and surgical management of glaucoma for both the general ophthalmologist in practice and residents The only book that covers the new generation of glaucoma

procedures including trabectome, trabecular bypass and canaloplasty, by the experts who developed them. Includes the latest laser treatments for glaucoma including micro diode and titanium sapphire trabeculoplasty as well as laser from an external approach. The most comprehensive coverage of the optic nerve and the importance of nerve fiber layer hemorrhage. Provides an integrated approach to neovascular glaucoma merging treatment to the retina, with the use of new anti-VEGF drugs, tubes, and shunts to achieve the best outcome. Integrates clinical science with basic science to outline the next steps in glaucoma therapy.

Meeting the hygiene needs of patients is a fundamental aspect of nursing care. This practical and introductory guide outlines and emphasizes the nursing skills required to meet the essential personal hygiene care needs of patients in various healthcare settings. It explores care of the eyes, ears, mouth, nails and hair, and provides evidence-based rationales for each procedure. Methods of washing the patient are discussed, and bed-making and patient positioning is explored. Each chapter provides the necessary anatomy and physiology, as well as common conditions, safety issues, privacy and dignity, cultural and religious considerations and infection control issues. **SPECIAL FEATURES** Identifies the theoretical base underpinning clinical procedures. Provides a research and evidence base for nursing practice. Equips registered and non-registered staff with the knowledge to carry out safe care delivery relating to meeting hygiene needs. Incorporates recommendations from *The Essence of Care*.

This open access book provides a comprehensive overview of the application of the newest laser and microscope/ophthalmoscope technology in the field of high resolution imaging in microscopy and ophthalmology. Starting by describing High-Resolution 3D Light Microscopy with STED and RESOLFT, the book goes on to cover retinal and anterior segment imaging and image-guided treatment and also discusses the development of adaptive optics in vision science and ophthalmology. Using an interdisciplinary approach, the reader will learn about the latest developments and most up to date technology in the field and how these translate to a medical setting. *High Resolution Imaging in Microscopy and Ophthalmology - New Frontiers in Biomedical Optics* has been written by leading ex-

perts in the field and offers insights on engineering, biology, and medicine, thus being a valuable addition for scientists, engineers, and clinicians with technical and medical interest who would like to understand the equipment, the applications and the medical/biological background. Lastly, this book is dedicated to the memory of Dr. Gerhard Zinser, co-founder of Heidelberg Engineering GmbH, a scientist, a husband, a brother, a colleague, and a friend.

Synopsis of Clinical Ophthalmology, by Jack J. Kanski and Brad Bowling, efficiently distills all the essential information you need to effectively diagnose and manage a comprehensive range of ophthalmic disorders. A concise format makes it easy to quickly learn and understand the "must-know" aspects of each condition. When time is of the essence, turn to *Synopsis of Clinical Ophthalmology* for accessible guidance to meet your diagnostic and point-of-care needs! Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Get guidance you can trust from a portable, practical handbook that distills all the key information from *Clinical Ophthalmology: A Systematic Approach* - Drs. Kanski and Bowling's best-selling comprehensive eye reference. Visualize the most common eye disorders more clearly with the help of a completely revised image library, including clinical photographs and over 800 full-color illustrations, many of which are new. Remain current in practice with the latest advances in the treatment of retinal vascular disease (including new therapies for macular disorders); new drug therapies; updated surgery techniques for oculoplastic, corneal, and glaucoma surgery; and examination tips, imaging, and associated systemic conditions.

A best-selling source of compact, authoritative guidance on the treatment of ocular disorders in a variety of settings, *The Wills Eye Manual*, 8th Edition, is the comprehensive, high-yield reference of choice for both trainees and seasoned practitioners. It provides highly illustrated information on more than 200 ophthalmic conditions along with proven clinical recommendations from initial diagnosis through extended treatment. The consistent, bulleted outline format makes it ideal for portability and quick reference.