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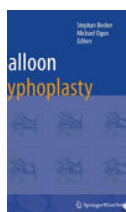
VOLUME III, EDIÇÃO XII

DEZ. 2020



BAX, K. N. M. A.  
*Endoscopic surgery in  
infants and children.*  
Berlin, Heidelberg:  
Springer, 2008.

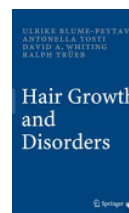
Since the breakthrough of endoscopic surgical procedures into the medical repertoire at the end of the 1980s and beginning of the 1990s, there has been an enormous evolution in endoscopic surgery, not only in general surgery, but also in pediatric surgery. *Endoscopic Surgery in Infants and Children* is written by an international selection of pediatric surgeons, who have contributed to the development of endoscopic surgery in children. This book represents the state of the art of endoscopic surgical techniques, which are thoroughly described and well illustrated with drawings and photographs. The fields of thoracoscopic surgery, laparoscopic transperitoneal, retroperitoneal surgery and endoscopic surgical urology are covered.



BECKER, S. *Balloon  
kyphoplasty.* Vienna:  
Springer, 2008.

Osteoporosis is one of the ten most important diseases worldwide and its importance will rise further following the aging of the population. Vertebral fractures are the most common fractures in osteoporosis and have significant impact on quality of life and survival rates, as well as carrying increased socioeconomic costs. The establishment of minimally invasive treatment schemes in recent years has led to reduced perioperative morbidity and increased early mobilization. This book focuses on balloon kyphoplasty and alternative minimally invasive treatments for stabilization of osteoporotic vertebral fractures. The optimal treatment of a patient with osteoporotic vertebral fractures requires an interdisciplinary approach, and therefore our book draws on the expertise of orthopedic surgeons, traumatologists and neurosurgeons, and also includes a chapter on medical treatment. We are happy to present the first English edition of this book. All chapters have been extensively revised and updated. In addition to a detailed description of the technique of balloon kyphoplasty, with practical tips from experts, the book retains a chapter on the medical treatment of

osteoporosis, which is still indispensable in the interdisciplinary approach to osteoporosis. This well established concept, uniting several treatment aspects including conservative treatment, is preserved in this book. However, new chapters have been added as the result of recent developments and clinical findings.



BLUME-PEYTAVI, U.  
*Hair growth and disorders.* Berlin, Heidelberg:  
Springer, 2008.

Hair disorders have become a central social and psychological issue with increasing demands and expectations from patients. Written by world-renowned experts, this lavishly illustrated textbook provides the latest scientific aspects of hair biology, up-to-date knowledge on hair diagnosis and treatment options as well as hair removal and restoration techniques. The well-structured content is divided into three sections: Basic aspects of hair growth Hair and scalp disorders Photoepilation, surgery and hair cosmetics It also contains unique sections on hair at different ages, in art and in forensic investigations as well as ethnic hair.

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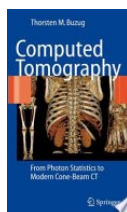


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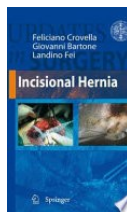
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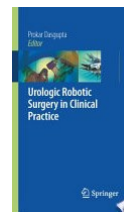
BUZUG, T. M. *Computed tomography: from photon statistics to modern cone-beam CT*. Berlin, Heidelberg: Springer, 2008.

This book provides an overview of X-ray technology, the historic developmental milestones of modern CT systems, and gives a comprehensive insight into the main reconstruction methods used in computed tomography. The basis of reconstruction is, undoubtedly, mathematics. However, the beauty of computed tomography cannot be understood without a detailed knowledge of X-ray generation, photon-matter interaction, X-ray detection, photon statistics, as well as fundamental signal processing concepts and dedicated measurement systems. Therefore, the reader will find a number of references to these basic disciplines together with a brief introduction to the underlying principles of CT. This book is structured to cover the basics of CT: from photon statistics to modern cone-beam systems. However, the main focus of the book is concerned with detailed derivations of reconstruction algorithms in 2D and modern 3D cone-beam systems. A thorough analysis of CT artifacts and a discussion of practical issues, such as dose considerations, provide further insight into modern CT systems. While mainly written for graduate students in biomedical engineering, medical engineering science, medical physics, medicine (radiology), mathematics, electrical engineering, and physics, experienced practitioners in these fields will benefit from this book as well.



CROVELLA, F. *Incisional hernia*. Milano: Springer, 2008.

Incisional hernia surgery has witnessed an important progress over the last years, not only as far as the pathophysiological and etiopathogenetic aspects are concerned, but also from a technical point of view. Thanks to the recent findings on genetical disorders of the collagen, incisional hernia is today considered a true "disease of the abdominal wall". Surgeons need to be aware of all the different repairing techniques, in order to make an elective choice and to keep side effects and recidives under control. Today, on the basis of the most recent research on synthesis of collagen and collagenolysis, the treatment of the incisional hernia should not disregard the use of synthetic prostheses and of biomaterials, both in the routine surgical practice and in the most complex clinical cases. Surgeons, surgical residents, and medical students will find this volume very useful in their daily practice.



DASGUPTA, P. *Urologic robotic surgery in clinical practice*. London: Springer, 2008.

Robotics is one of the hottest topics in medicine today, with an international interest that is exponentially growing. The introduction of robotic technology into modern operating theatres has provoked a revolutionary change in the basic surgical approach, with many advantages over traditional open surgical treatment, including faster recovery and a significantly lower risk of surgical trauma. Furthermore, robotic technology has already surpassed the traditional laparoscopic approach by providing full three-dimensional vision, intuitive motion and wristed instrumentation with motion scaling. This book therefore provides an up-to-date overview of this exciting field in a pocket-sized handbook, featuring contributions from internationally recognised experts in the field. Covering all major applications of this technology, the work will familiarize the reader with the state-of-the-art techniques in robotic prostatectomy, cystectomy, pyeloplasty and urogynecology, among others. Aimed at trainee level in particular, but a useful manual for all levels and relevant departments (surgeons, anaesthetists, operating theatre staff), *Robotic Surgery in Clinical Practice* is an educational easy-reference work, covering specific surgical techniques and patient care, supported by a number of illustrations and clear summary tables.

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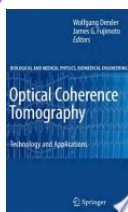


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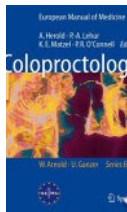
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DREXLER, W. *Optical coherence tomography: technology and applications*. Berlin, Heidelberg: Springer, 2008.

Optical coherence tomography (OCT) is the optical analog of ultrasound imaging and is emerging as a powerful imaging technique that enables non-invasive, in vivo, high resolution, cross-sectional imaging in biological tissue. A new generation OCT technology has now been developed, representing a quantum leap in resolution and speed, achieving in vivo optical biopsy, i.e. the visualization of tissue architectural morphology in situ and in real time. Functional extensions of OCT technology enable non-invasive, depth resolved functional assessment and imaging of tissue. These new techniques should not only improve image contrast, but should also enable the differentiation of pathologies via metabolic properties or functional state. The book introduces OCT technology and applications not only from an optical and technological viewpoint, but also from biomedical and clinical perspectives. The chapters are written by leading international research groups, in a style comprehensible to a broad audience. It will be of interest not only to physicists, scientists and engineers, but also to biomedical and clinical researchers from different medical specialties.



HEROLD, A. *Coloproctology*. Berlin, Heidelberg: Springer, 2008.

EMM: Coloproctology presents the state-of-the-art in coloproctology. The topics covered include anatomy, physiology, anal disorders, dermatology, functional disorders, inflammatory bowel disease, benign and malignant tumours, endoscopy, emergencies and pain syndromes. All chapters give a comprehensive overview of etiology, incidence, epidemiology, diagnostics, medical and surgical treatment, complications and individual special considerations. This work presents surgical trainees with a comprehensive and condensed guide to the core knowledge required for the European Board of Surgery Qualification (EBSQ) examination. The manual will also be of assistance to practicing coloproctologists across Europe and beyond who have interest in continued professional development. Written by an international team of experts who have each made noteworthy contributions in their field, the coverage of most aspects of coloproctology in an easy to follow format also makes this manual valuable to other specialists.



HIPPIUS, H. *The University Department of Psychiatry in Munich: from Kraepelin and his predecessors to molecular psychiatry*. Berlin, Heidelberg: Springer, 2008.

The building history of the Munich clinic substantiates the developments in psychiatry during the past 100 years; but sole illustration of the constructional aspects would be dull and impersonal. The development of a clinic could be understood as a life story, in which not only the building and organisation structure itself, but also the patients treated in the clinic and the people working there should be taken into consideration: Doctors from the Munich clinic have always enhanced the development of clinical psychiatry and psychiatric science decisively. As such, the names of Emil Kraepelin and Alois Alzheimer are known to all psychiatrists all over the world nowadays - even to those, who do not realize that the scientific work of these names are closely linked to the Munich clinic.

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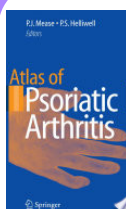


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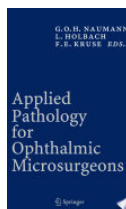
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MEASE, P. J. *Atlas of psoriatic arthritis*. London: Springer, 2008.

Atlas of psoriatic arthritis, eds. Mease and Helliwell, a visual guide to the complex and inter-related diseases of psoriatic arthritis and psoriasis, this volume contains more than 150 images spanning a wide spectrum of variations of the disease. Each chapter comprises an introductory overview, along with a series of relevant images and tables in which the key information on each topic is outlined. The content is comprehensive and authoritative, featuring contributions from leading experts who chart the diseases from diagnosis through to clinical treatment. This book contains an expansive but simple to digest summary of the subject, featuring up-to-date discussion by renowned field practitioners on the following areas: epidemiology, aetiology and pathogenesis, clinical evaluation, paediatric psoriatic arthritis, imaging, skin disease, management of psoriasis, treatment of psoriatic arthritis. Along with charting the rise of radiological imaging in the subject, the book also includes sections on juvenile psoriatic arthritis, which will aid clinicians in distinguishing the characteristics and features of the disease in children, as well as discussions of clinical drug trials. Overall, the book will be of particular interest to rheumatologists, dermatologists, and family practitioners, with the atlas' images especially providing an essential reference library.



NAUMANN, Gottfried O. H. *Applied pathology for ophthalmic microsurgeons*. Berlin, Heidelberg: Springer, 2008.

Ophthalmic microsurgery is applied in ophthalmic pathological conditions. Ophthalmic pathology sets the landmarks for all kinds of microsurgical manipulations. Thus, in order to ensure the best surgical outcome, ophthalmic clinicians and microsurgeons have to consider the critical structures and potential complications before they start with the surgical procedure. Written by the world famous expert G. O. H. Naumann, this excellent textbook emphasizes the ocular structures such as the nuances of morphology, surgical anatomy, and pathology. The content includes: Unique features of closed system intraocular surgery in closed system and open eye surgery.- Crucial aspects of restoring the anterior chamber, includes such as the role of blood-ocular barriers and effects of paracentesis-effects. The spectrum of potential complications in (pseudo-) exfoliation- syndromes as well as the most vulnerable cell populations.- The features of normal and pathologic wound healing in the various tissues after non-mechanical laser and mechanical interventions emergency-pathology requiring prompt surgical intervention. Brilliant artwork and sketches are further illustrating and summarizing the complex pathology. Thus, the reader will derive great value for the daily routine when learning how the specific pathology modifies the indications and techniques of microsurgery.



RAMAN, J. *Management of heart failure volume 2: surgical*. London: Springer, 2008.

Management of hart failure has been conceived as a rapid but comprehensive review for practitioners of all persuasions involved in the management of patients with heart failure. Heart failure is a problem of epidemic proportions in all parts of the world. State of the art treatment may not be accessible to all, but simply creating an awareness of simple methods of diagnosis and treatment would assist in promoting a better global response to this epidemic. This practical volume, written by a panel of world-renown cardiology experts, focuses on the surgical management of heart failure. Surgery for heart failure is an evolving and new area in cardiac surgery with many exciting developments. This volume will be essential reading for all specialists dealing with patients with or who are at risk of heart failure, including but not limited to cardiologists, emergency medicine physicians, critical care physicians, anesthesiologists, interventionalists and cardiothoracic surgeons.

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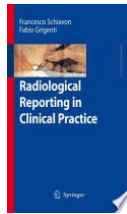
VOLUME III, EDIÇÃO XII

DEZ. 2020



RAMER, K.; ALAVI, A. *Nuclear medicine technology: review questions for the board examinations*. 3rd ed. Berlin, Heidelberg: Springer, 2008.

Helps to prepare technologists for registry examinations in nuclear medicine technology by providing practice questions and answers and a mock registry exam. This book contains questions that test both subject comprehension of material and practical applications.



SCHIAVON, F.; GRIGENTI, F. *Radiological reporting in clinical practice*. Milano: Springer, 2008.

Due to the diverse diagnostic imaging techniques available (X-ray/computed tomography, magnetic resonance, nuclear medicine, ultrasonography), radiologic examinations are composed of an enormous amount of images, which means that the elements to be described and interpreted by the radiologist are sometimes exorbitant. Furthermore, expectations of the population and physicians requiring examinations are growing, so that besides patients, so-called clients (i.e., presumably healthy people) also flow into everyday clinical practice of a radiology department based on disease prevention/screening programs. Registration and interpretation/reporting modules of a computer-assisted radiologic reporting system were created to help the radiologist in his or her task. However, the radiologist is also expected to write a report with diversified language according to diagnostic technique(s), population type (client vs. patient, pediatric, adult, geriatric), pathology, and across all anatomical areas. In this book, the authors suggest a shared methodology to bring – as much as possible – uniformity to radiologic report writing to most effectively communicate the results of an examination. The important role played by language from a legal-forensic aspect is also considered.



SHIFFMAN, Melvin A. *Simplified facial rejuvenation*. Berlin, Heidelberg: Springer, 2008.

Simplified facial rejuvenation is divided into sections that include anatomy and anesthesia, classifications, dermatologic procedures, suture lifts, surgical variations of the face, surgical variations of the eyes, brow, neck, lips, nose, ear, and scalp, and medical legal aspects. There are multiple variations of suture lift procedures presented to allow the physician to decide which is best. Unique surgical procedures of the face are presented, many of which are techniques of minimal-incision facelift, and new techniques including resection of the supraorbital ridges, mesotherapy for hair rejuvenation, transblepharoplasty, browlift, and cervicoplasty with hexagonal excision, as well as new classifications of facial aging. The book brings together the more popular procedures for patients that include simpler methods of facial rejuvenation with less pain, shorter recovery time, less cost, and fewer complications.



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