

## Belgian Journal Of Hematology Ariez

Many thousands of international graduate physicians from diverse medical specialties serve the health care needs of the United States, and one-in-four psychiatry residents are international medical graduates. *International Medical Graduate Physicians: A Guide to Training* was created by prominent leaders in academic psychiatry to support the success of these international medical graduate physicians as they complete their clinical training and enter the physician workforce in this country. This insightful title has been developed as a valuable resource, filled with key information and personal narratives, to foster optimal wellbeing and decisionmaking of IMG physicians as they navigate their careers. The text is thorough in scope and replete with perspectives, reflections, and tailored guidance for the reader. Many of the chapters are based on the direct and diverse life experiences of the authors. A unique and thoughtful contribution to the literature, this Guide will be of great value to international physicians and to their teachers and supervisors in psychiatry as well as other specialties of medicine.

The definitive reference on the anthropology of death and dying, expanded with new contributions covering everything from animal mourning to mortuary cannibalism. Few subjects stir the imagination more than the study of how people across cultures deal with death and dying. This expanded second edition of the internationally bestselling *Death, Mourning, and Burial* offers cross-cultural readings that span the period from

dying to afterlife, considering approaches to this transition as a social process and exploring the great variations of cultural responses to death. Exploring new content including organ transplantation, institutionalized care for the dying, HIV-AIDs, animal mourning, and biotechnology, this text retains classic readings from the first edition, and is enhanced by sixteen new articles and two new sections which provide increased breadth and depth for readers. *Death, Mourning, and Burial, Second Edition* is divided into eight parts reflecting the social trajectory of death: conceptualizations of death; death, dying, and care; grief and mourning; mortuary rituals; and remembrance and regeneration. Sections are introduced through foundational texts which provide the ideal introduction to this diverse field. It is essential reading for anyone concerned with issues of death and dying, as well as violence, terrorism, war, state terror, organ theft, and mortuary rituals. A thoroughly revised edition of this classic anthology featuring twenty-three new articles, two new sections, and three reformulated sections Updated to include current topics, including organ transplantation, institutionalized care for the dying, HIV-AIDs, animal mourning, and biotechnology Must reading for anyone concerned with issues of death and dying, as well as violence, terrorism, war, state terror, organ theft, and mortuary rituals Serves as a text for anthropology classes and provides a genuinely cross-cultural perspective to all those studying death and dying Increasingly stringent environmental regulations and industry adoption of waste minimization guidelines have thus, stimulated the need for the development of recycling

and reuse options for metal related waste. This book, therefore, gives an overview of the waste generation, recycle and reuse along the mining, beneficiation, extraction, manufacturing and post-consumer value chain. This book reviews current status and future trends in the recycling and reuse of mineral and metal waste and also details the policy and legislation regarding the waste management, health and environmental impacts in the mining, beneficiation, metal extraction and manufacturing processes. This book is a useful reference for engineers and researchers in industry, policymakers and legislators in governance, and academics on the current status and future trends in the recycling and reuse of mineral and metal waste. Some of the key features of the book are as follows: Holistic approach to waste generation, recycling and reuse along the minerals and metals extraction. Detailed overview of metallurgical waste generation. Practical examples with complete flow sheets, techniques and interventions on waste management. Integrates the technical issues related to efficient resources utilization with the policy and regulatory framework. Novel approach to addressing future commodity shortages.

The search for our elusive human origins and an understanding of the mysteries of the human body have challenged the most inquisitive and imaginative thinkers from Egyptian times through the twentieth century. In *The Epic History of Biology*, Anthony Serafini - a distinguished philosopher and historian of science - regales the reader with the triumphs and failures of the geniuses of the life sciences. The subtleties of the

animal kingdom - anatomy, zoology, and reproduction - along with the complexities of the plant kingdom, have fascinated humanity as far back as 5000 years ago. Astounding ancient knowledge of the arcane curing powers of herbs as well as early experimentation with different chemical combinations for such purposes as mummification led to today's biological technology. Innovative pioneers such as Aristotle, Galen, Hippocrates, and Vesalius challenged the limits of knowledge and single-mindedly pursued their work, often in the face of blind superstition. In superb, lyrical prose Serafini recreates the ideas and theories of these revolutionaries from ancient times through today, against the backdrop of the dogma and prejudices of their time. He explores the inspired revelations that gave birth to such discoveries as the controversial theory of evolution, the humble origins of genetics, the fantastic predictions of quantum mechanics, and the infinite promise of computer technology. Even today the biological sciences are undergoing rapid and kaleidoscopic changes. Every new insight gives rise to a myriad of new ethical questions and responsibilities. The Epic History of Biology confronts these issues head on and predicts the wondrous new directions biology will follow.

Social change has placed new demands on the practice of medicine, altering almost every aspect of patient care relationships. Just as medicine was encouraged to embrace the biological sciences some 100 years ago, recent directives indicate the importance of the social sciences in understanding biomedical practice. Humanistic

challenges call for changes in curative and technological imperatives. In this book, social scientists contribute to such challenges by using social evidence to indicate appropriate new goals for health care in a changing environment. This book was designed to stimulate and challenge all those concerned with the human interactions that constitute medical practice. To encompass a wide range of topics, the authors include researchers; practicing physicians from the specialties of family, general, geriatric, pediatric, and oncological medicine; social and behavioral scientists; and public health representatives. Cutting across disciplinary boundaries, they explore the ethical, economic, and social aspects of patient care. These essays draw on past studies of the patient-doctor relationship and generate new and important questions. They address social behavior in patient care as a way to approach theoretical issues pertinent to the social and medical sciences. The authors also use social variables to study patient care and suggest new areas of sociomedical inquiry and new approaches to medical practice, education, and research. Its cross-disciplinary approach and jargon-free writing make this book an important and accessible tool for physician, scholar, and student.

Extraordinary accuracy and beautiful original artwork are just two features readers will find in this new resource, providing a basic foundation in domestic large animal anatomy. Its unique organization includes the anatomy of all organ systems in the various species, described in a consistent manner. The book presents relevant

anatomy of the following species: \* Horse (with contributors by Dr. Gayle Trotter) \* Ox (with contributions by Dr. Fran Garry) \* Sheep and goat (with contributions by Dr. Joan Bowen) \* Llama and alpaca (with contributions by Dr. LaRue Johnson) \* Swine (with contributions by Dr. LaRue Johnson) \* and chicken (with contributions by Dr. John Avens). Features that enhance understanding: \* Carefully selected labeling helps students learn and remember structures and relationships. \* Male and female of a given species are depicted on facing pages so that topographic anatomy is easy to compare. \* Structures common to various animals are labeled several times, whereas unique structures are labeled only on one or two species so students can make rapid distinctions of the structures peculiar to certain animals. \* An introduction provides readers with a background in nomenclature and anatomic orientation so they can benefit from the atlas even if they lack training in anatomy. The Atlas depicts topographic relationships of major organs in a simple, yet technically accurate presentation that's free of extraneous detail so that those using the atlas can concentrate on the essential aspects of anatomy.

This contributed book covers all aspects concerning the clinical scenario of breast cancer in young women, providing physicians with the latest information on the topic. Young women are a special subset of patients whose care requires dedicated expertise. The book, written and edited by internationally recognized experts who have been directly involved in the international consensus guidelines for breast cancer in

young women, pays particular attention to how the disease and its planned treatment can be effectively communicated to young patients. Highly informative and carefully structured, it provides both theoretical and practice-oriented insight for practitioners and professionals involved in the different phases of treatment, from diagnosis to intervention, to follow-up – without neglecting the important role played by prevention. Healthcare decision makers in search of reliable information that compares health interventions increasingly turn to systematic reviews for the best summary of the evidence. Systematic reviews identify, select, assess, and synthesize the findings of similar but separate studies, and can help clarify what is known and not known about the potential benefits and harms of drugs, devices, and other healthcare services. Systematic reviews can be helpful for clinicians who want to integrate research findings into their daily practices, for patients to make well-informed choices about their own care, for professional medical societies and other organizations that develop clinical practice guidelines. Too often systematic reviews are of uncertain or poor quality. There are no universally accepted standards for developing systematic reviews leading to variability in how conflicts of interest and biases are handled, how evidence is appraised, and the overall scientific rigor of the process. In *Finding What Works in Health Care* the Institute of Medicine (IOM) recommends 21 standards for developing high-quality systematic reviews of comparative effectiveness research. The standards address the entire systematic review process from the initial steps of formulating the

topic and building the review team to producing a detailed final report that synthesizes what the evidence shows and where knowledge gaps remain. Finding What Works in Health Care also proposes a framework for improving the quality of the science underpinning systematic reviews. This book will serve as a vital resource for both sponsors and producers of systematic reviews of comparative effectiveness research. In this book, world-renowned experts in the field express well-reasoned opinions on a range of issues and controversies relating to haploidentical transplantation with the aim of providing practicing hematologists with clinically relevant and readily applicable information. Among the areas covered are graft manipulation and methods to control T-cell alloreactivity, the nature of the ideal graft and donor, haploidentical transplantation in pediatric and adult patients with malignant and nonmalignant diseases, immunologic reconstitution following transplantation, complications, and the prevention and treatment of relapse post transplantation. Attention is drawn to the implications of high-impact clinical trials whenever such trials are available. The readily intelligible text is complemented by numerous helpful tables, algorithms, and figures. The book will provide practical support for hematologists and transplant physicians as they attempt to provide optimal care in this exciting but increasingly complex medical specialty.

Corporate Governance and Accountability presents students with a complete and current survey of the latest developments involving how a company is directed and controlled. Providing a broad research-based perspective, this comprehensive textbook

examines global corporate governance systems, the role and responsibilities of the directorate, and the frameworks designed to ensure effective corporate accountability for stakeholders. A holistic approach to the subject enables students to develop a well-rounded knowledge of corporate governance theory and practice, policy documents, academic research, and current debates, issues, and trends. Now in its fifth edition, this comprehensive view of the corporate governance agenda features fully revised content that reflects new research and global developments in codes of practice and governance and accountability mechanisms. In-depth chapters contain numerous real-world case studies and compelling debate and discussion topics, exploring corporate transparency, social responsibility, boardroom diversity, shareholder activism, and many other timely issues.

Desmoid Tumors (DT), also called Aggressive Fibromatoses, are a rare fibroblastic proliferative disease, with an incidence of 2 to 4 new cases per million people per year. Despite the absence of a metastatic potential, DT cause significant morbidity and at times mortality due to its locally invasive behaviour. The anatomical locations can be abdominal, extra-abdominal (often in the extremities) and intra-abdominal. This book is the first manuscript dedicated entirely to Desmoid Tumors. Written by prominent clinicians, researchers and advocacy group experts, patients and professionals alike will find this to be a comprehensive review. Clinical presentation, imaging guidelines and treatment paradigms are highlighted. Both the sporadic and heredity forms

(Familial Adenomatous Polyposis) will be discussed. A thorough discussion on the unique issues in children with DT is included. A portion of the book will address the role of the APC gene, the  $\beta$ -catenin protein and the role of mutations in the genesis of DT. Emerging cutting edge research techniques will be revealed. Also included is a thoughtful discussion on the controversial labelling of Desmoid Tumors as benign and the consequences of such a designation. The role of advocacy groups in supporting research and in promoting awareness of rare diseases such as DT will be outlined. This book will serve as basis to prepare clinicians, researchers and patients to embark on the quest for a cure for Desmoid Tumors.

Business Model Generation is a handbook for visionaries, game changers, and challengers striving to defy outmoded business models and design tomorrow's enterprises. If your organization needs to adapt to harsh new realities, but you don't yet have a strategy that will get you out in front of your competitors, you need Business Model Generation. Co-created by 470 "Business Model Canvas" practitioners from 45 countries, the book features a beautiful, highly visual, 4-color design that takes powerful strategic ideas and tools, and makes them easy to implement in your organization. It explains the most common Business Model patterns, based on concepts from leading business thinkers, and helps you reinterpret them for your own context. You will learn how to systematically understand, design, and implement a game-changing business model--or analyze and renovate an old one. Along the way, you'll understand at a much

deeper level your customers, distribution channels, partners, revenue streams, costs, and your core value proposition. Business Model Generation features practical innovation techniques used today by leading consultants and companies worldwide, including 3M, Ericsson, Capgemini, Deloitte, and others. Designed for doers, it is for those ready to abandon outmoded thinking and embrace new models of value creation: for executives, consultants, entrepreneurs, and leaders of all organizations. If you're ready to change the rules, you belong to "the business model generation!"

The past few decades have seen major impacts of different pandemics and mass casualty events on health resource use in terms of rising healthcare costs and increased mortality. In this context, the development of acute respiratory failure in patients requires the use of mechanical ventilation, either invasive or noninvasive. Recently, noninvasive ventilation (NIV) has proved to be a valuable strategy to reduce mortality rates in patients. This is the first book to describe the clinical indications of NIV in patients who have been hospitalized with high-risk infections as well as in the prehospital management of mass casualty incidents, including chemical or biological disasters and pandemics. Compiled by internationally respected experts, it offers comprehensive coverage of all aspects of noninvasive mechanical ventilation in public health emergencies, such as equipment needs and guidelines for health organizations. Considering recent events (SARS, H1N1 influenza pandemic), the book concludes with a critical review of current studies and future prospects for the use of NIV, offering a

valuable resource for all practitioners managing mass casualty incidents and disasters. Chemistry in the last century was characterized by spectacular growth and advances, stimulated by revolutionary theories and experimental breakthroughs. Yet, despite this rapid development, the history of this scientific discipline has achieved only recently the status necessary to understand the effects of chemistry on the scientific and technological culture of the modern world. This book addresses the bridging of boundaries between chemistry and the other "classical" disciplines of science, physics and biology as well as the connections of chemistry to mathematics and technology. Chemical research is represented as an interconnected patchwork of scientific specialties, and this is shown by a mixture of case studies and broader overviews on the history of organic chemistry, theoretical chemistry, nuclear- and cosmochemistry, solid state chemistry, and biotechnology. All of these fields were at the center of the development of twentieth century chemistry, and the authors cover crucial topics such as the emergence of new subdisciplines and research fields, the science-technology relationship, and national styles of scientific work. This monograph represents a unique treasure trove for general historians and historians of science, while also appealing to those interested in the theoretical background and development of modern chemistry. ?This second edition ?provides a comprehensive view of consolidated and innovative concepts, in terms of both diagnosis and treatment. Written by leading international physicians and investigators, this book emphasizes the necessity of combining local

and systemic treatments to achieve the objective of yielding higher cure rates and lower toxicities. Heavily updated from the previous edition, it highlights new surgery and radiotherapy techniques, disease awareness, patient quality of life, and comprehensive management. Head-and-neck cancers are a complex clinical entity and their response to treatment is also known to vary markedly in function of host-related factors.

Notwithstanding the impressive progresses observed in the field of imaging, head and neck cancers are often diagnosed at a late stage and the presence of locally advanced disease in a significant number of patients implies the use of aggressive treatments in order to both ensure local disease control and reduce distant metastasis risks. In comparison with the first edition, *Head and Neck Cancer, Second Edition* provides a detailed update of innovative concepts in chemo- and bio-radiation, viral infection impact on tumor growth and response to treatment, and impact of tumor- and host-related factors on treatment outcome.

The definitive *Oxford Textbook of Palliative Medicine*, now in its fifth edition, has again been thoroughly updated to offer a truly global perspective in this field of extraordinary talent and thoughtfulness. Updated to include new sections devoted to assessment tools, care of patients with cancer, and the management of issues in the very young and the very old, this leading textbook covers all the new and emerging topics since its original publication in 1993. In addition, the multi-disciplinary nature of palliative care is emphasized throughout the book, covering areas from ethical and communication

issues, the treatment of symptoms and the management of pain. The printed book is complemented with 12 months free access to the online version, which includes expanded chapter information and links from the references to primary research journal articles, ensuring this edition continues to be at the forefront of palliative medicine. This fifth edition of the Oxford Textbook of Palliative Medicine is dedicated to the memory of Professor Geoffrey Hanks, pioneer in the field of palliative medicine, and co-editor of the previous four editions. A truly comprehensive text, no hospital, hospice, palliative care service, or medical library should be without this essential source of information. The European Blood and Marrow Transplantation Textbook for Nurses Under the Auspices of EBMT Springer

The third book in the group devoted to the "natural" immune system, this volume provides the ideal detailed, up-to-date overview of neutrophil function. Distilling new information alongside observations of the past, the book focuses on some of the most critical developments in current neutrophil research. Specific examples of diseases resulting from neutrophil dysfunction and deficiency are brought to life by clinical case studies. An essential source of current research into this exciting field, this volume will be invaluable for advanced students and researchers in immunology, cell biology, and medicine.

Recent advances in drug discovery have been rapid. The second edition of Bioinformatics and Drug Discovery has been completely updated to include

topics that range from new technologies in target identification, genomic analysis, cheminformatics, protein analysis, and network or pathway analysis. Each chapter provides an extended introduction that describes the theory and application of the technology. In the second part of each chapter, detailed procedures related to the use of these technologies and software have been incorporated. Written in the highly successful Methods in Molecular Biology series format, the chapters include the kind of detailed description and implementation advice that is crucial for getting optimal results in the laboratory. Thorough and intuitive, Bioinformatics and Drug Discovery, Second Edition seeks to aid scientists in the further study of the rapidly expanding field of drug discovery.

Tailoring treatment for individual breast cancers is no longer a dream and is now the main goal for current research. This book gives an overview of the most recent techniques, agents and approaches for breast cancer and the individualization of treatment. Particular attention is given to organ-specific tailored approaches, specific populations, patients' preferences and rehabilitation. Contributions from experts focus on the biomedical research behind the transfer of molecular biology knowledge into the clinical management of patients. This has led to increased survival as well as improved quality of life.

The book gives an overview of the latest achievements in breast cancer and their use in clinical practice.

Focused on central nervous system (CNS) drug discovery efforts, this book educates drug researchers about the blood-brain barrier (BBB) so they can affect important improvements in one of the most significant – and most challenging – areas of drug discovery. • Written by world experts to provide practical solutions to increase brain penetration or minimize CNS side-effects • Reviews state-of-the-art in silico, in vitro, and in vivo tools to assess brain penetration and advanced CNS drug delivery strategies • Covers BBB physiology, medicinal chemistry design principles, free drug hypothesis for the BBB, and transport mechanisms including passive diffusion, uptake/efflux transporters, and receptor-mediated processes • Highlights the advances in modelling BBB pharmacokinetics and dynamics relationships (PK/PD) and physiologically-based pharmacokinetics (PBPK) • Discusses case studies of successful CNS and non-CNS drugs, lessons learned and paths to the market

Now published in its Second Edition, the Textbook of Clinical Trials offers detailed coverage of trial methodology in diverse areas of medicine in a single comprehensive volume. Praise for the First Edition: "... very useful as an introduction to clinical research, or for those planning specific studies within

therapeutic or disease areas." BRITISH JOURNAL OF SURGERY, Vol. 92, No. 2, February 2005 The book's main concept is to describe the impact of clinical trials on the practice of medicine. It separates the information by therapeutic area because the impact of clinical trials, the problems encountered, and the numbers of trials in existence vary tremendously from specialty to specialty. The sections provide a background to the disease area and general clinical trial methodology before concentrating on particular problems experienced in that area. Specific examples are used throughout to address these issues. The Textbook of Clinical Trials, Second Edition: Highlights the various ways clinical trials have influenced the practice of medicine in many therapeutic areas Describes the challenges posed by those conducting clinical trials over a range of medical specialities and allied fields Additional therapeutic areas are included in this Second Edition to fill gaps in the First Edition as the number and complexity of trials increases in this rapidly developing area Newly covered or updated in the Second Edition: general surgery, plastic surgery, aesthetic surgery, palliative care, primary care, anaesthesia and pain, transfusion, wound healing, maternal and perinatal health, early termination, organ transplants, ophthalmology, epilepsy, infectious disease, neuro-oncology, adrenal, thyroid and urological cancers, as well as a chapter on the Cochrane network An invaluable resource for pharmaceutical companies, the

Textbook of Clinical Trials, Second Edition appeals to those working in contract research organizations, medical departments and in the area of public health and health science alike.

The book covers in an integrated fashion the complete route from corporate knowledge management, through knowledge analysis and engineering, to the design and implementation of knowledge-intensive information systems. The disciplines of knowledge engineering and knowledge management are closely tied. Knowledge engineering deals with the development of information systems in which knowledge and reasoning play pivotal roles. Knowledge management, a newly developed field at the intersection of computer science and management, deals with knowledge as a key resource in modern organizations. Managing knowledge within an organization is inconceivable without the use of advanced information systems; the design and implementation of such systems pose great organization as well as technical challenges. The book covers in an integrated fashion the complete route from corporate knowledge management, through knowledge analysis and engineering, to the design and implementation of knowledge-intensive information systems. The CommonKADS methodology, developed over the last decade by an industry-university consortium led by the authors, is used throughout the book. CommonKADS makes as much use as

possible of the new UML notation standard. Beyond information systems applications, all software engineering and computer systems projects in which knowledge plays an important role stand to benefit from the CommonKADS methodology.

Elephants are possibly the most well-known members of the animal kingdom. The enormous size, unusual anatomy, and longevity of elephants have fascinated humans for millenia. *Biology, Medicine, and Surgery of Elephants* serves as a comprehensive text on elephant medicine and surgery. Based on the expertise of 36 scientists and clinical veterinarians, this volume covers biology, husbandry, veterinary medicine and surgery of the elephant as known today. Written by the foremost experts in the field *Comprehensively covers both Asian and African elephants Complete with taxonomy, behavioral, geographical and systemic information Well-illustrated and organized for easy reference* *Issues in Nursing by Specialty / 2013 Edition* is a ScholarlyEditions™ book that delivers timely, authoritative, and comprehensive information about School Nursing. The editors have built *Issues in Nursing by Specialty: 2013 Edition* on the vast information databases of ScholarlyNews.™ You can expect the information about School Nursing in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed,

and relevant. The content of Issues in Nursing by Specialty / 2013 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

This new edition is an indispensable introduction to the core principles of counselling for those interested in counselling and those considering training. It describes the main styles of counselling, provides an excellent framework for helping, and introduces some of the approaches and key tools used within a counselling relationship Offers a stimulating and highly accessible introduction to the key aspects of counselling Recurring case studies to illustrate clearly the practical application of the range of styles and approaches in counselling and experiential exercises are included in each chapter to facilitate the reader's learning and understanding Guides the reader, in a straightforward, readable style, through the main issues that arise within counselling/helping relationships A book to enthuse, excite and empower those contemplating counselling training, or those who have embarked on a course and want a broad introduction

The first major text to link the discoveries of basic biology to the understanding and clinical management of liver diseases, *The Liver: Biology and Pathobiology* has long been a classic in gastroenterology and hepatology. Now, this landmark work has been thoroughly revised and updated to reflect recent groundbreaking achievements in the laboratory and clinic. More than 100 world-renowned investigators provide a definitive account of current concepts on the structure and function of the liver and the mechanisms underlying liver diseases. This edition has been pared down to a smaller, more user-friendly size and focused more sharply on the most important advances. A Brandon-Hill recommended title.

In order to reduce the number of deaths from severe head injuries, systematic management is essential. This book is a practical, comprehensive guide to the treatment of patients (both adults and children) with such injuries, from the time of initial contact through to the rehabilitation center. Sections are devoted to prehospital treatment, admission and diagnostics, acute management, and neurointensive care and rehabilitation. Evidence-based recommendations are presented for each diagnostic and therapeutic measure, and tips, tricks, and pitfalls are highlighted. Throughout, the emphasis is on the provision of sound clinical advice that will maximize the likelihood of an optimal outcome. Helpful flowcharts designed for use in daily routine are also provided. The authors are all

members of the Scandinavian Neurotrauma Committee and have extensive practical experience in the areas they write about.

This book discusses the unique epidemiology of fungal infections in Asia, illustrating that the situation in these countries is different from that in Western countries in terms of the causative species, natural history and management strategies. Asia, the world's largest continent and home to more than half the global population, has conditions that favor the growth of many fungi, including a number of unique species. Further, socio-economic conditions such as overcrowding, compromised health care facilities and lack of awareness add to the morbidity and mortality due to fungal diseases in this part of the world. Since the majority of Asian countries do not have good diagnostic mycology laboratories, antifungal management is often based on experience. The limited data from Asian countries suggest a very high incidence of fungal infections. This book addresses epidemiology of fungal infections in general and specific populations of Asia, fungal allergy, and diagnosis and management in resource-limited environments. The book is must read for busy clinicians, microbiologists and critical care providers.

Bridging the gap between basic scientific advances and the understanding of liver disease — the extensively revised new edition of the premier text in the field.

The latest edition of *The Liver: Biology and Pathobiology* remains a definitive volume in the field of hepatology, relating advances in biomedical sciences and engineering to understanding of liver structure, function, and disease pathology and treatment. Contributions from leading researchers examine the cell biology of the liver, the pathobiology of liver disease, the liver's growth, regeneration, metabolic functions, and more. Now in its sixth edition, this classic text has been exhaustively revised to reflect new discoveries in biology and their influence on diagnosing, managing, and preventing liver disease. Seventy new chapters — including substantial original sections on liver cancer and groundbreaking advances that will have significant impact on hepatology — provide comprehensive, fully up-to-date coverage of both the current state and future direction of hepatology. Topics include liver RNA structure and function, gene editing, single-cell and single-molecule genomic analyses, the molecular biology of hepatitis, drug interactions and engineered drug design, and liver disease mechanisms and therapies. Edited by globally-recognized experts in the field, this authoritative volume:

- Relates molecular physiology to understanding disease pathology and treatment
- Links the science and pathology of the liver to practical clinical applications
- Features 16 new “Horizons” chapters that explore new and emerging science and technology
- Includes plentiful full-color illustrations and

figures *The Liver: Biology and Pathobiology, Sixth Edition* is an indispensable resource for practicing and trainee hepatologists, gastroenterologists, hepatobiliary and liver transplant surgeons, and researchers and scientists in areas including hepatology, cell and molecular biology, virology, and drug metabolism.

With a unique focus on the most effective interventional techniques, *Withrow & MacEwen's Small Animal Clinical Oncology, 5th Edition* tells the full story of cancer in dogs and cats — what it is, how to diagnose it, and how to treat many of the most common cancers encountered in clinical practice. Nearly 500 color photographs, diagrams, x-rays, and gross views depict the clinical manifestations of various cancers. This edition covers the latest advances in clinical oncology, including chemotherapy, surgical oncology, and diagnostic techniques. With contributions from 65 veterinary oncology experts, this authoritative reference is a must-have for current, evidence-based therapeutic strategies on canine and feline oncology. "I really love this book. If you are interested in veterinary oncology, have a flick through this book online or at a conference when you get the chance. I hope that you agree with me that this is the definitive oncology reference source for the early 21st century and that you feel compelled to buy it. Your patients will thank you for it." Reviewed by: Gerry Polton MA VetMB

MSc(Clin Onc) DipECVIM-CA(Onc) MRCVS, UK Date: July 2014 Cutting-edge information on the complications of cancer, pain management, and the latest treatment modalities prepares you to diagnose and treat pets with cancer rather than refer cases to a specialist. A consistent format for chapters on body system tumors includes coverage of incidence and risk factors, pathology, natural behavior of tumors, history and clinical signs, diagnostic techniques and workup, treatment options, and prognosis for specific malignancies. A systems approach to the diagnosis and management of cancer facilitates access to information about the many malignancies affecting small animal patients. Nearly 500 color images provide accurate depictions of specific diseases and procedures. Helpful drug formularies provide quick access to information on indications, toxicities, and recommended dosages for chemotherapeutic and analgesic drugs used in cancer treatment. Expert contributors provide in-depth coverage of the most current information in his or her respective specialty in veterinary oncology. Chemotherapy protocols are included when case studies prove clinical efficacy. Discussion of compassion and supportive care for the management of pain, nutritional needs, and grief includes methods for handling the pet's pain and nutritional complications as well as the pet owner's grief when treatment is not successful. Thoroughly UPDATED chapters cover the most recent changes in

the clinical management of melanoma, mast cell tumors, tumors of the skeletal system, tumors of the endocrine system, tumors of the mammary gland, urinary cancers, nervous system cancers, lymphoma, and histiocytic diseases. NEW Clinical Trials and Developmental Therapeutics chapter discusses the various phases of clinical trials as well as current challenges and opportunities in oncology drug development. NEW! A focus on the best recommended treatment options highlights therapeutic strategies that have been vetted by veterinary oncology experts. NEW co-author Dr. Rodney L. Page adds his valuable perspective, expertise, and research experience.

Multiple myeloma is currently still an incurable disease, but during the past decade knowledge of its molecular pathogenesis has increased rapidly. This has led to remarkable progress in both diagnosis and therapy, including in particular the approval of novel and first-in-class drugs such as thalidomide, bortezomib, and lenalidomide. This book, written by internationally acknowledged experts, covers a wide range of topics relating to multiple myeloma, including history, epidemiology, pathophysiology, clinical features, staging, and prognostic systems. The principal focus, however, is on therapy, with detailed information on the various promising treatment options which give hope that this cancer will be transformed into a chronic disease or even become curable. Individualized

therapy and the variety of supportive treatment options, as described in this volume, will help in achieving this goal, as well as in reducing adverse events and improving quality of life.

This book attempts a true synthesis of animal physiology, behaviour, and ecology by developing an empirical argument that describes the intimate connections between animal phenotype and environment, using the results of a long-term research programme on migrant shorebirds and their invertebrate prey.

Get the straight goods on how to build a thriving side hustle from someone who's been there before In *Clever Girl Finance: The Side Hustle Guide*, celebrated finance expert, influencer, CEO, and author Bola Sokunbi delivers your own personal key to unlocking more money, more freedom, and more security in your life. You'll find out how to achieve financial prosperity by leveraging a side hustle business to increase your income and build wealth. You'll discover how to: Build your confidence, eliminate your fears, and strengthen your focus Establish a strong foundation for your new business, even without prior experience Create a solid plan to brand, market, and grow a business your customers won't be able to get enough of Write a realistic financial plan for your side hustle and to create long-term wealth Perfect for those with a side hustle dream and some energy to spare, *Clever Girl Finance: The Side Hustle Guide* will also earn a place in the

libraries of anyone who's ever thought about building a successful and profitable side hustle from the ground up but didn't know where to start.

This book is open access under a CC BY 4.0 license. This textbook, endorsed by the European Society for Blood and Marrow Transplantation (EBMT), provides adult and paediatric nurses with a full and informative guide covering all aspects of transplant nursing, from basic principles to advanced concepts. It takes the reader on a journey through the history of transplant nursing, including essential and progressive elements to help nurses improve their knowledge and benefit the patient experience, as well as a comprehensive introduction to research and auditing methods. This new volume specifically intended for nurses, complements the ESH-EBMT reference title, a popular educational resource originally developed in 2003 for physicians to accompany an annual training course also serving as an educational tool in its own right. This title is designed to develop the knowledge of nurses in transplantation. It is the first book of its kind specifically targeted at nurses in this specialist field and acknowledges the valuable contribution that nursing makes in this area. This volume presents information that is essential for the education of nurses new to transplantation, while also offering a valuable resource for more experienced nurses who wish to update their knowledge.

Vascular Liver Disease: Mechanisms and Management covers all of the disease entities that stem from abnormalities that affect the hepatic vasculature. This multi-authored text includes the mechanisms and management of intrahepatic vascular disease, including the most common cause of vascular disease of the liver, cirrhosis. Other less common diseases of the liver vasculature are also covered such as sinusoidal obstruction syndrome (previously known as veno-occlusive disease), portal vein thrombosis, the Budd-Chiari syndrome and congenital vascular malformations. These entities, although rare, are a challenge to physicians and physician scientists. Although many textbooks have been written on the consequences of cirrhosis on the liver vasculature, this is the only volume that focuses on the liver vasculature as a separate entity, providing an innovative approach to liver disease management. Vascular Liver Disease: Mechanisms and Management will be of great value to clinical investigators and basic scientists interested in the liver circulation as well as clinical gastroenterologists and hepatologists, hepatobiliary surgeons and transplant surgeons, and to interventional radiologists with a particular interest in the liver. This volume covers major aspects of Crimean-Congo hemorrhagic fever (CCHF) and the virus which causes it. Chapters are written by leading experts in their fields and detail historical, public health, epidemiological, and clinical aspects of

CCHF and the genetics and molecular biology of the virus. Additional chapters focus on disease control, tick vectors and infection among animals, both natural and experimental.

Advances in Genetics Research presents original research results on the leading edge of genetics discovery. Each article has been carefully selected in an attempt to present substantial research results across a broad spectrum. In this continuing series compilation, the authors present and discuss varied topical data such as cytogenic mapping of animal genomes; somatic cell counts in cow's milk and implications for dairy cow breeding; mutations and the carcinogenic process; and, genetic mapping projects and functional genomics.

Facilitating Interdisciplinary Research examines current interdisciplinary research efforts and recommends ways to stimulate and support such research. Advances in science and engineering increasingly require the collaboration of scholars from various fields. This shift is driven by the need to address complex problems that cut across traditional disciplines, and the capacity of new technologies to both transform existing disciplines and generate new ones. At the same time, however, interdisciplinary research can be impeded by policies on hiring, promotion, tenure, proposal review, and resource allocation that favor traditional disciplines. This report identifies steps that researchers, teachers, students,

institutions, funding organizations, and disciplinary societies can take to more effectively conduct, facilitate, and evaluate interdisciplinary research programs and projects. Throughout the report key concepts are illustrated with case studies and results of the committee's surveys of individual researchers and university provosts.

Marine mammals attract human interest – sometimes this interest is benign or positive – whale watching, conservation programmes for whales, seals, otters, and efforts to clear beaches of marine debris are seen as proactive steps to support these animals. However, there are many forces operating to affect adversely the lives of whales, seals, manatees, otters and polar bears – and this book explores how the welfare of marine mammals has been affected and how they have adapted, moved, responded and sometimes suffered as a result of the changing marine and human world around them. Marine mammal welfare addresses the welfare effects of marine debris, of human traffic in the oceans, of noise, of hunting, of whale watching and tourism, and of some of the less obvious impacts on marine mammals – on their social structures, on their behaviours and migration, and also of the effects on captivity for animals kept in zoos and aquaria. There is much to think and talk about – how marine mammals respond in a world dramatically influenced by man, how are their social structures affected

and how is their welfare impacted?

Written by a team of international experts, this book provides an authoritative overview and practical guide to the molecular biology and genetic basis of haematologic cancers including leukemia. Focusing on the importance of cytogenetics and related assays, both as diagnostic tools and as a basis for translational research, this is an invaluable guide for basic and clinical researchers with an interest in medical genetics and haemato-oncology. The Genetic Basis of Haematological Cancers reviews the etiology and significance of genetic and epigenetic defects that occur in malignancies of the haematopoietic system. Some of these chromosomal and molecular aberrations are well established and already embedded in clinical management, while many others have only recently come to light as a result of advances in genomic technology and functional investigation. The book includes seven chapters written by clinical and academic leaders in the field, organised according to haematological malignancy sub-type. Each chapter includes a background on disease pathology and the genetic abnormalities most commonly associated with the condition. Authors present in-depth discussions outlining the biological significance of these lesions in pathogenesis and progression, and their use in diagnosis and monitoring response to therapy. The current or potential role of

specific abnormalities as novel therapeutic targets is also discussed. There is also a full colour section containing original FISH, microarrays and immunostaining images.

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