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Evolutionary Thinking in Medicine

This open access book provides a comprehensive perspective on the concept of ageism, its origins, the manifestation and consequences of ageism, as well as ways to respond to and research ageism. The book represents a collaborative effort of researchers from over 20 countries and a variety of disciplines, including, psychology, sociology, gerontology, geriatrics, pharmacology, law, geography, design, engineering, policy and media studies. The contributors have collaborated to produce a truly stimulating and educating book on ageism which brings a clear overview of the state of the art in the field. The book serves as a catalyst to generate research, policy and public interest in the field of ageism and to reconstruct the image of old age and will be of interest to researchers and students in gerontology and geriatrics.

Biologics in General Medicine

Handbook of Geriatric Oncology: Practical Guide to Caring for the Older Cancer Patient is a practical resource for oncologists and related clinicians who want to provide comprehensive, patient-centered care to the elderly cancer patient. Divided into nine succinct sections, it includes topics spanning an Introduction to Aging and Frailty, Geriatric Syndromes, Geriatric Assessment, Select Cancers in the Elderly, Communication With the Older Cancer Patient, the Nursing Home Patient With

Cancer, Models of Care: Survivorship, Palliative Care, and Integrative Medicine. Complex issues such as the physiologic changes of aging and their effect on cancer, corresponding social and psychological aspects that accompany aging and a cancer diagnosis, assessment of frailty, managing comorbid conditions and diseases, effective communication among health care providers, the patient and caregivers, as well as the risks and benefits of cancer screening, are made simpler with helpful clinical guidance and clinical pearls. Spearheaded by world experts in geriatric oncology from Memorial Sloan Kettering Cancer Center in New York, this book is the definitive resource for oncologists and related clinicians to meet the demands of clinical management along the continuum of geriatric cancer care. Key Features Provides best practices for evaluating geriatric syndromes such as functional dependency, falls, cognitive impairment and dementia, delirium, depression and anxiety, social isolation as well as syndromes related to nutrition, comorbid conditions, and polypharmacy. Includes practical guidance on when to treat and when not to treat cancer in older patients Discusses unique factors associated with breast cancer, prostate cancer, colorectal cancer, lung cancer, ovarian cancer, bladder cancer, pancreatic cancer, head and neck cancers, and myelodysplastic syndromes in the elderly that impact care plans and treatment.

Surgical Decision Making

Print version of the book includes free access to the app (web, iOS, and Android), which offers interactive Q&A review plus the entire text of the print book! Please note the app is included with print purchase only. Oncology Board Review: Blueprint Study Guide and Q&A is a concise, outline-based study guide covering the topics that appear on the Medical Oncology Certification Exam. This second edition has been thoroughly revised to include new treatment regimens, clinical guidelines, and other updates impacting the field and reflected on the test. The book includes all topics listed in the American Board of Internal Medicine (ABIM) blueprint as essential material for the Medical Oncology Certification Exam. The coverage spans all hematologic malignancies and solid tumors, beginning with the epidemiology, and followed by the etiology and risk factors of the disease, staging, signs and symptoms, diagnostic criteria, indications for treatment, prognostic factors, treatment recommendations, and special considerations. Later chapters review other major subspecialty areas found on the exam including cancer genetics and tumor biology, supportive and palliative care, bone marrow transplantation, and biostatistics. Each chapter includes key points summarized in digestible bullets for easy recall and self-assessment. And, now containing over 230 board style questions with answers and detailed rationales, Oncology Board Review, Second Edition is the go-to, quick review for any trainee preparing for initial certification and for oncologists preparing for recertification. New to this Edition: Includes over 230 board style questions and answers with rationales New chapter on Bone Marrow Transplantation Thoroughly updated and revised chapters with all new treatment recommendations and FDA approvals for solid tumors and hematologic malignancies included.

Geriatric Nursing

Principles and Practice of Geriatric Surgery presents the fundamentals of surgical care for the fastest growing segment of the US population, providing a vital integration of operative strategies with the physiological changes of aging. Among the topics covered are the endocrine system, otolaryngology, respiratory system, cardiovascular system, GI system, hepatobiliary system, urogenital system, soft tissue and musculoskeletal system, neurosurgery, and transplantation.

Middle Range Theory for Nursing, Second Edition

The field of colorectal surgery has undergone tremendous developments in recent decades. Surgery has become less invasive, new perspectives and insights have improved perioperative management and novel outcome measures have been defined. At the same time, the limits of surgical technique and perioperative care are being challenged by more complex patients. In order to realize the immense potential for excellent outcomes in colorectal surgery, coordinated multifaceted care must be delivered within a context of limited resources. Accordingly, there is a pressing need to streamline processes and heighten clinical productivity. Excellent communication and collaboration are required, with constant attention to detail and precision within an environment of learning, research and innovation. This book discusses in depth the transdisciplinary integration of different components of care in colorectal surgery. Pertinent background information on the complexities of current management in colorectal surgery is first provided, followed by discussion of the role of design thinking in care integration. Subsequent chapters focus on a range of issues associated with surgical and perioperative care in patients undergoing colorectal surgery, with emphasis on how the multiple facets of care can be integrated through a transdisciplinary approach. Each chapter provides helpful take-home messages in bullet point form and numerous informative figures and tables are also included. The authors are surgeons, physicians, anesthesiologists, oncologists, nurses, and allied health professionals with extensive experience in the field.

Management of Breast Cancer in Older Women

Designated a Doody's Core Title! Named an Outstanding Academic Title for 2006 by CHOICE "Those who are interested in the care of older individuals will find this book thoughtful, exciting, and useful Highly recommended." --CHOICE Learn the history of the development of geriatric nursing as a specialty, as well as the current state of geriatric nursing, from the stories of pioneers in this field. Through the history of those who laid the foundations for the profession to the geriatric nurse leaders who continue the specialty today, see first-hand how geriatric nursing began, evolved, and continues to flourish. Covering the scope of the specialty: How to become a geriatric nurse Geriatric nursing organizations and publications Standards of practice Certification and licensure Future directions This text provides both inspirational stories of nursing and practical information on how you can find resources, develop ideas, and access research in order to become a successful geriatric nurse.

Drug Courts

This book provides an up-to-date comprehensive overview of the exciting new developments shaping the current and future practice of radiation oncology. Advances in treatment planning and delivery, in biological targeted therapies combined with radiation and in functional and molecular imaging are all covered in a single volume. All of these advances are discussed by leading experts in the field and with a critical evaluation of their clinical relevance throughout.

Geriatric Oncology

Geriatric anesthesia is a rapidly growing and evolving field and this is the major revision of a classic anesthesia reference. The last few years have seen significant advancements and important new modalities for addressing the needs of an aging population. The editors of this second edition are uniquely situated to put together a text highlighting both essential knowledge and recent breakthroughs of importance to all who work with the elderly. This edition easily maintains the high standard for quality scholarship and useful material set by the first.

Handbook of Research on Elderly Entrepreneurship

This textbook presents hands-on training material for medical students. The style reflects the need for practice-based teaching with a modern edge in daily clinical routine; accordingly, it also employs online material and pocket cards. Each chapter begins with specific learning objectives, which are cross-referenced with the European curriculum for undergraduate medical education released by the European Union of Medical Specialists (UEMS) together with the European Union Geriatric Medicine Society (EUGMS), as well as the minimum geriatric competences for medical students established by the American Geriatrics Society (AGS). World-renowned European experts in practicing and teaching the interdisciplinary field of Geriatrics contributed to this work, with the aim of offering the new generation of health professionals a global perspective on one of the greatest public health challenges of our time: the management of the steadily increasing number of older, multimorbid, and vulnerable persons. The major strength of this book – published under the auspices of the EUGMS – is its pragmatic, goal-oriented approach, which makes it suitable for bedside learning and patient-centered medicine; further, all of the chapters are firmly based on the pillars of the ageing process in all of its biological aspects, helping readers understand the pathophysiology of and rationale behind interventions for the main geriatric syndromes and disorders.

Management of Non-Muscle Invasive Bladder Cancer

As our population continues to age, health professionals are being called on to care for an ever-increasing number of elderly patients. A thorough understanding of what constitutes normal aging versus age-prevalent illness is essential. In addition, the atypical and nonspecific presentation of illness commonly encountered when caring for an older patient must be expected and watched for carefully. In recent years, the health professional has been exposed to an exponentially increasing number of publications attempting to teach geriatric principles. To date, few publications lend themselves to use by the busy practitioner, student, or nurse in search of immediate facts, flow sheets, and clinically applicable data. It was felt that the health professional would benefit greatly from a book based on the concept of a ready-reference "hand book," with chapters filled with tables, flow sheets, and listings similar in scope to those in a well-presented lecture series. Our goal was to create a geriatrics handbook that would have value at the bedside as well as in the classroom. It is to this end that the contributors dedicated their efforts.

Oncology Board Review, Second Edition

This book provides an overview of the latest advances in head and neck cancer using a multidisciplinary approach. Commencing with a discussion of epidemiological and diagnostic aspects, including the role of vaccination and key pathological features, the book then follows by examining the role of oncogenomics, proteomics, next generation sequencing and homologous recombination function in predicting outcomes. The topics are presented by epidemiologists, pathologists and basic scientists with further contributions from medical oncologists, head and neck cancer surgical specialists (ORL /HNS), and radiation oncologists in chapters that discuss therapeutic approaches for oral, oropharyngeal and thyroid cancer. Special topics such as the development of novel staging classifications, optimal larynx preservation approaches for laryngeal and hypopharyngeal cancer, surgical reconstruction, new surgical approaches in oropharynx cancer, potential for treatment de-escalation, systemic therapy in nasopharyngeal cancer and salivary gland tumors and treatment approaches for tumors of unknown primary site are discussed in detail. Finally, the role of immunotherapy in the field is highlighted. The chapters are based on the latest data presented at the 6th Trends in Head and Neck Oncology Conference and reflect the most up-to-date information in the field. They are written by many of the most internationally acclaimed authors in the field and are therefore an excellent source for all those interested or actively working in the field of head and neck cancer.

Brocklehurst's Textbook of Geriatric Medicine and Gerontology E-Book

The leading reference in the field of geriatric care, Brocklehurst's Textbook of Geriatric Medicine and Gerontology, 8th Edition, provides a contemporary, global perspective on topics of importance to today's gerontologists, internal medicine physicians, and family doctors. An increased focus on frailty, along with coverage of key issues in gerontology, disease-

specific geriatrics, and complex syndromes specific to the elderly, makes this 8th Edition the reference you'll turn to in order to meet the unique challenges posed by this growing patient population. Consistent discussions of clinical manifestations, diagnosis, prevention, treatment, and more make reference quick and easy. More than 250 figures, including algorithms, photographs, and tables, complement the text and help you find what you need on a given condition. Clinical relevance of the latest scientific findings helps you easily apply the material to everyday practice. A new chapter on frailty, plus an emphasis on frailty throughout the book, addresses the complex medical and social issues that affect care, and the specific knowledge and skills essential for meeting your patients' complex needs. New content brings you up to date with information on gerontechnology, emergency and pre-hospital care, HIV and aging, intensive treatment of older adults, telemedicine, the built environment, and transcultural geriatrics. New editor Professor John Young brings a fresh perspective and unique expertise to this edition.

Geriatric Anesthesiology

This Open Access edition of the European Society for Blood and Marrow Transplantation (EBMT) handbook addresses the latest developments and innovations in hematopoietic stem cell transplantation and cellular therapy. Consisting of 93 chapters, it has been written by 175 leading experts in the field. Discussing all types of stem cell and bone marrow transplantation, including haplo-identical stem cell and cord blood transplantation, it also covers the indications for transplantation, the management of early and late complications as well as the new and rapidly evolving field of cellular therapies. This book provides an unparalleled description of current practices to enhance readers' knowledge and practice skills.

Evidence-Based Geriatric Nursing Protocols for Best Practice, Fifth Edition

"This 5th edition is an important achievement; it is a symbol of commitment to the field of palliative nursing, where we have been and where we are going." - Betty Rolling Ferrell, PhD, MA, FAAN, FPCN, CHPN From the Foreword The aging population has only grown since the first edition of this comprehensive and seminal publication nearly 20 years ago. Based on the need to humanize rather than medicalize the illness experience for patients, this text delves into palliative care beyond the specific diseases affecting the patient. Instead, content focuses on the whole person and family. Palliative patients struggle with chronic, debilitating, and painful conditions, and grapple with the fact that life as they knew it has already passed away. Families and friends reciprocally suffer, not knowing how to help and therefore become the secondary victims of the disease. This is not the challenge of a lone nurse, or a single physician, therapist, or social worker. Rather, palliative and hospice care requires the expertise and unique roles of an interprofessional team to help the patient and family strengthen their resilience, continue to find meaning and purpose in life, and cure what can be cured. Palliative Care

Nursing, Fifth Edition, delivers advanced empirical, aesthetic, ethical and personal knowledge. This new edition brings an increased focus on outcomes, benchmarking progress, and goals of care. It expounds upon the importance of the cross-disciplinary collaboration introduced in the previous edition. Every chapter in Sections I, II, and III includes content written by a non-nursing member of the interprofessional team. Based on best-evidence and clinical practice guidelines, this text presents comprehensive, targeted interventions responsive to the needs of palliative and hospice patients and family. Each chapter contains compassionate, timely, appropriate, and cost-effective care for diverse populations across the illness trajectory. Key Features The expanded new edition offers current, comprehensive, one-stop source of highly-relevant clinical information on palliative care Life-span approach: age-appropriate nursing considerations (e.g. geriatric, pediatric and family) Includes disease-specific and symptom-specific nursing management chapters Promotes a holistic and interdisciplinary approach to palliative care Offers important legal, ethical and cultural considerations related to death and dying Case Studies with Case Study Conclusion in each clinical chapter New to The Fifth Edition: An expanded chapter on Palliative Care incorporates most up to date scope and standards, information on Basic and Advanced HPNA certification, self-reflection and self-care for nurses. A chapter on Interprofessional Collaboration Instructor Resources: Power points and Test bank

Contemporary Perspectives on Ageism

In this book, a distinguished group of clinicians provide straightforward, focused answers to the questions most commonly confronted by a multidisciplinary team when caring for patients with rectal cancer. The format of the book is designed to aid optimal decision making in a multidisciplinary setting with respect to key issues in imaging, radiotherapy, chemotherapy, and surgery, all of which are considered in detail. Helpful guidance is also offered on risk factor identification, pathology procedures and their prognostic value, and multidisciplinary team management. The authors have been carefully selected for their expertise, and most have been involved in the management of the more significant trials published in Europe during the past decade. In an era in which all patients are entitled to access healthcare systems that deliver the highest quality of treatment within a safe environment, together with appropriate advice, support, and long-term follow-up, the multidisciplinary team is of central importance. This successful book, in its revised and updated second edition, is designed to provide all the guidance likely to be required by members of the multidisciplinary team at various stages of the pathway of care for patients with rectal cancer.

Immunosenescence

This concise yet comprehensive reference is the first of its kind and draws on the authors' personal teaching file of cases from the Adult Drug Court in California. The book offers unparalleled insight into the drug court system and the medical

problems of drug court patients. It is the first book of its kind in the family medicine literature. The authors share their extensive knowledge of addiction and withdrawal, treatment of patients with dual diagnoses of mental illness and addiction, and treatment of drug-associated diseases such as tuberculosis, hepatitis, and HIV.

Management of Urological Cancers in Older People

Handbook of Geriatric Oncology is a practical resource for oncologists and related clinicians who want to provide comprehensive, patient-centered care to the elderly cancer patient. Divided into nine succinct sections, it includes topics spanning an Overview of Geriatric Oncology and Aging, Geriatric Syndromes, Geriatric Assessment, Select Cancers Commonly Diagnosed in the Elderly, Communication with the Older Cancer Patient, the Nursing Home Patient with Cancer, Models of Care and Survivorship, Palliative Care, and Integrative Medicine. Complex issues such as the physiologic changes of aging and their effect on cancer, corresponding social and psychological aspects that accompany aging and a cancer diagnosis, assessment of frailty, managing comorbid conditions and diseases, effective communication among healthcare providers, the patient and caregivers, as well as the risks and benefits of cancer screening, are made simpler with helpful clinical guidance and clinical pearls. Spearheaded by world experts in geriatric oncology from Memorial Sloan Kettering Cancer Center in New York, this book is the definitive resource for oncologists and related clinicians to meet the demands of clinical management along the continuum of geriatric cancer care. Key Features: Provides best practices for evaluating geriatric syndromes such as functional dependency, falls, cognitive impairment and dementia, delirium, depression and anxiety, social isolation as well as syndromes related to nutrition, comorbid conditions, and polypharmacy. Includes practical guidance on when to treat and when not to treat cancer in older patients Discusses unique factors associated with breast cancer, prostate cancer, colorectal cancer, lung cancer, ovarian cancer, bladder cancer, pancreatic cancer, head and neck cancers, and myelodysplastic syndromes in the elderly that impact care plans and treatment.

Transdisciplinary Perioperative Care in Colorectal Surgery

This book aims to provide an up-to-date review of the literature in each of the major areas relating to the management of older urological cancer patients, and makes recommendations for best practice and future research. The authors come from a broad geographic spread including the UK, mainland Europe and North America to ensure a worldwide relevance.

Hospice Palliative Home Care and Bereavement Support

2009 AJN Book of the Year Award Winner! Designated a Doody's Core Title! Middle Range Theory for Nursing is a textbook designed for theory and research courses in master's and doctoral programs. As described in the 2d edition of the

Encyclopedia of Nursing Research, middle range theory "is a basic, usable structure of ideas, less abstract than grand theory and more abstract than empirical generalizations or micro-range theory . Middle-range theories are developed and grown at the intersection of practice and research to provide guidance for everyday practice and scholarly research rooted in the discipline of nursing." In this revised and updated second edition, the authors will revise the eight theories that were examined in the first edition with published research and practice updates along with any changes in the basic concepts and models. Seven new theories will be added. Each theory is presented by the theorist in a consistent format: purpose of the theory; basic concepts; relationships among the concepts, the model; use of the theory in nursing research and/or practice; conclusions; references. Theories new to the second edition Symptom Management (Dodd et al.) Caring (Swanson) Embodied Language (Liehr et al.) Cultural Self-reliance (Lowe) Caregiver Stress (Tsai) Clinical Decision Making (Chase) Moral Reckoning (Nathaniel)

The EBMT Handbook

Written by international experts, this book presents chapters that cover common geriatric conditions including dementia, depression, delirium, falls, polypharmacy, incontinence, immobility, and medication-related issues, as well as neurological, cardiovascular, and endocrine diseases associated with old age. The book also discusses various aspects of ambulatory, residential, and palliative care for the elderly, in addition to ethical aspects of old age care, advance care planning and living wills. Geriatric medicine is a rapidly growing field in internal medicine. The majority of elderly people now live in developing countries, where there is an urgent need to up-skill healthcare professionals. By presenting problems as they arise and then discussing how to solve them, this book offers a valuable resource for all physicians interested in the care of older people.

Oncology Clinical Trials

Cachexia may well represent the flip side of the tremendous achievements of modern medicine. The aim of this volume, written by world-renowned scientists, is to provide the best available evidence on the pathogenesis, clinical features and therapeutic approach of cachexia, and to facilitate the understanding of the complex yet unequivocal clinical role of this syndrome, that truly represents a disease, or, more likely, a disease within other different diseases.

Advances in Radiation Oncology in Lung Cancer

This book covers the latest advances in non-muscle invasive bladder cancer care. It provides a review of the available evidence base for the efficacy of a range of therapeutic techniques, diagnostic procedures and risk factors. Management of

Non-Muscle Invasive Bladder Cancer features detailed guidance in uniformly formatted chapters on how to properly apply a range of available therapeutic treatments relevant for patient care. It is a valuable resource for all trainee and practising medical professionals who treat these patients.

Cachexia and Wasting

This book provides an unique resource for registered nurses working in hospice palliative care at home and for the community, outside of acute care settings and also incorporates literature related to palliative care in acute health care settings, as part of the overall services and supports required. Very few resources exist which specifically address hospice palliative care in the home setting, despite the fact that most palliative care occurs outside acute care settings and is primarily supported by unpaid family caregivers. An overview of the concerns for individuals and families, as well as specific nursing interventions, from all ages would be an excellent support for nursing students and practicing registered nurses alike. The book structure begins with a description of the goals and objectives of hospice palliative care and the nursing role in providing excellent supportive care. Chapters include research findings and specifically research completed by the authors in the areas of pediatric palliative care, palliative care for those with dementia, and the needs of family caregivers in bereavement. Interventions developed by the editors are provided in this book, such as the “Finding Balance Intervention” for bereaved caregivers; the “Reclaiming Yourself” tool for bereaved spouses of partners with dementia; and The Keeping Hope Possible Toolkit for families of children with life threatening and life limiting illnesses. The development and application of these theory-based interventions are also highlighted. Videos and vignettes written by family caregivers about what was helpful for them, provide a patient-and family-centered approach./div The book will benefit nursing students, educators and practicing registered nurses by providing information, theory, and evidence from research.

ESMO Handbook of Cancer in the Senior Patient

This new edition of one of the premier references for geriatric nurses in hospital, long-term, and community settings delivers current guidelines, real-life case studies, and evidence-based protocols developed by master educators and practitioners. With a focus on improving quality of care, cost-effectiveness, and outcome, the fifth edition is updated to provide the most current information about care of common clinical conditions and issues in older patients. Several new expert contributors present current guidelines about hip fractures, frailty, perioperative and postoperative care, palliative care, and senior-friendly emergency departments. Additionally, chapters have been reorganized to enhance logical flow of content and easy information retrieval. Protocols, systematically tested by more than 300 participating NICHE (Nurses Improving Care for Health system Elders) hospitals, are organized in a consistent format and include an overview, evidence-based assessment and intervention strategies, and an illustrative case study with discussion. Additionally, protocols are

embedded within chapter text, providing the context and detailed evidence for each. Chapter objectives, annotated references, and evidence ratings for each protocol are provided along with resources for additional study. New to the Fifth Edition: Reorganized to enhance logical flow of information and ease of use Updated and revised Includes new contributions from expert educators and practitioners Provides new chapters on perioperative and postoperative care, general surgical care, care of hip fracture, palliative care, and the senior-friendly emergency department Key Features: Includes PowerPoints and a test bank for instructors Delivers evidence-based, current guidelines and protocols for care of common clinical conditions in the older person Illustrates the application of clinical protocols to real-life practice through case studies and discussion Edited by nationally known geriatric leaders who are endorsed by the Hartford Institute for Geriatric Nursing and NICHE Written for nursing students, nurse leaders, and practitioners at all levels, including those in specialty roles

Multidisciplinary Management of Rectal Cancer

Clinical trials are the engine of progress in the development of new drugs and devices for the detection, monitoring, prevention and treatment of cancer. A well conceived, carefully designed and efficiently conducted clinical trial can produce results that change clinical practice overnight, deliver new oncology drugs and diagnostics to the marketplace, and expand the horizon of contemporary thinking about cancer biology. A poorly done trial does little to advance the field or guide clinical practice, consumes precious clinical and financial resources and challenges the validity of the ethical contract between investigators and the volunteers who willingly give their time and effort to benefit future patients. With chapters written by oncologists, researchers, biostatisticians, clinical research administrators, and industry and FDA representatives, *Oncology Clinical Trials*, provides a comprehensive guide for both early-career and senior oncology investigators into the successful design, conduct and analysis of an oncology clinical trial. *Oncology Clinical Trials* covers how to formulate a study question, selecting a study population, study design of Phase I, II, and III trials, toxicity monitoring, data analysis and reporting, use of genomics, cost-effectiveness analysis, systemic review and meta-analysis, and many other issues. Many examples of real-life flaws in clinical trials that have been reported in the literature are included throughout. The book discusses clinical trials from start to finish focusing on real-life examples in the development, design and analysis of clinical trials. *Oncology Clinical Trials* features: A systematic guide to all aspects of the design, conduct, analysis, and reporting of clinical trials in oncology Contributions from oncologists, researchers, biostatisticians, clinical research administrators, and industry and FDA representatives Hot topics in oncology trials including multi-arm trials, meta-analysis and adaptive design, use of genomics, and cost-effectiveness analysis Real-life examples from reported clinical trials included throughout

Radiation Oncology Advances

I was looking at Mrs T – all 45 kilos of her – with somewhat puzzled thoughts. I had prescribed her capecitabine at very

prudent doses, in view of her 91-year-old kidneys and physiology. She had reduced my treatment even further, "because it was making her tired." As a result, she was taking a grand total of 500 mg of capecitabine a day. Yet, her metastatic, ER/PR-negative, Her2-positive breast cancer was undoubtedly responding. Her pain was improving and her chest mass was shrinking, as were her lung metastases. What was the secret of that response? Were Mrs T's kidneys eliminating even less drug than predicted by her creatinine clearance? Was her sarcopenia altering drug distribution? Was she absorbing more drug than average? Or was her tumor exquisitely sensitive to fluoropyrimidines? "Physicians," said Voltaire, "pour drugs they know little for diseases they know even less into patients they know nothing about." Medicine has made tremendous progress since the eighteenth century. Yet, there are fields where quite a lot remains to be learned. In developed countries, 25% of breast cancers occur in patients aged 75 years and older. Yet, these patients represent only 4% of the population of traditional clinical trials. That ought to let us wonder how relevant data acquired in patients in their 60s are to a nonagenarian. Fortunately, geriatric oncologists have been stepping up to the task and have generated data to help us to treat such patients.

Management of Lung Cancer in Older People

This is the first book to cover every angle in the clinical application of biologics. Readers will not only find that all of the biologics currently approved for clinical use are delineated in a standardized way, but also the "differential therapy" with biologics in fields including dermatology and neurology is described in detail and summarized in treatment algorithms. Shorter sections on biologic biotechnology as well as safety and regulatory issues complement the more clinically-oriented central chapters.

Handbook of Geriatric Oncology

The incidence of cancer in senior patients has been increasing worldwide. This book reflects the state of the art in the management of senior adults with cancer. The contributors discuss epidemiology, evaluation, surgical and radiotherapy treatment, hormonal and cytotoxic treatment, and specific cancers such as lung, breast, colorectal, prostate, bladder, gynecological, and renal cell cancer. The book also examines psychological, social, and ethical aspects, as well as the role of the multidisciplinary team. Designed to help clinicians with the delicate decision-making process, it should lead to the best therapy adapted not only to the disease but also the patient.

Handbook of Geriatric Oncology

The aim of this edited book is to provide health professionals, across a wide variety of specialisms, with a targeted access

to evolutionary medicine. Throughout the book, the views of both medical and evolutionary scientists on the latest relevant research is presented with a focus on practical implications. The inclusion of boxes explaining the theoretical background as well as both a glossary for technical terms and a lay summary for non-specialists enable medical researchers, public health professionals, policy makers, physicians, students, scholars and the public alike to quickly and easily access appropriate information. This edited volume is thus relevant to anyone keen on finding out how evolutionary medicine can improve the health and well-being of people.

Handbook of Geriatrics

Treatment tolerance is a challenge for most cancer patients, and it is therefore essential that healthcare professionals (HCPs) are quick to recognize adverse events and implement management strategies to address them. Prevention of Nausea and Vomiting in Cancer Patients provides comprehensive guidance on managing nausea and vomiting, which are common and often severe adverse events experienced by patients receiving chemotherapy and radiotherapy. The book refers to the latest American Society of Clinical Oncology (ASCO), European Society of Medical Oncology (ESMO), and Multinational Association for Supportive Care in Cancer (MASCC) guidelines and will be a useful resource for oncologists, oncology fellows, general physicians, and other HCPs wishing to learn more about the effective management of chemotherapy-and radiotherapy-induced nausea and vomiting in cancer patients.

Handbook of Cutaneous Melanoma

Handbook of Cutaneous Melanoma is a concise review, which discusses epidemiology, pathogenesis, clinical features, diagnosis and staging, and current and emerging treatments for local and metastatic disease. The Handbook is heavily illustrated with diagnostic guides and treatment algorithms from Dr Schadendorf (which are supported by national and international guidelines), as well as numerous images from his practice to support the text. Busy healthcare professionals who want a quick review of diagnostic and staging guidelines as well as a summary of current therapies for cutaneous melanoma will benefit from this succinct guide.

Critical Issues in Head and Neck Oncology

This book aims to provide an up-to-date review of the literature in each of the major areas relating to the management of older lung cancer patients, and makes recommendations for best practice and future research. The authors come from a broad geographic spread including the UK, mainland Europe and North America to ensure a worldwide relevance.

Colorectal Cancer in the Elderly

This concise and handy manual provides straightforward, up-to-date guidance for cardiologists and other practitioners on the management of cancer patients with cardiac problems, whether they be due to the cancer itself or to antineoplastic treatment. Detailed attention is devoted to the various forms of cardiotoxicity associated with chemotherapy and radiotherapy. The drugs commonly responsible for each toxicity are identified and clear advice is offered on monitoring techniques and treatment approaches. In addition, the issue of cardiotoxicity due to cancer treatment in particular patient groups – children, the elderly, and those with pre-existing cardiac disease – is addressed separately, with guidance on when and how antineoplastic (and/or cardiological) treatments should be modified. Further sections describe the correct responses to cardiac problems secondary to the cancer itself, including thromboembolic disorders and electrolyte imbalances, and the diagnosis, treatment, and follow-up of cardiac tumors. A closing section considers how to improve cooperation between oncologists, cardiologists, and general practitioners to ensure that cancer patients' cardiovascular needs are met in a multidisciplinary approach.

Principles and Practice of Geriatric Surgery

Cancer and aging are integrally related. Cancer incidence and mortality increase with age, with most cancer diagnoses and deaths occurring in patients aged 65 and older. The aging of the Baby Boomer population, along with an overall increase in life expectancy, points to a doubling of the U.S. population over age 65 by the year 2030. This demographic shift, combined with the known association of cancer and aging, is expected to bring about a rapid growth in the older cancer-patient population. It is clear that geriatric principles must become part of oncology care. The evaluation and development of treatment recommendations for an older adult with cancer can be challenging for many reasons. Tumor biology and response to therapy are affected by age. In addition, age-related factors may impact treatment patterns, tolerance, and efficacy. These age-related factors include functional status declines, comorbid conditions, changes in cognitive function, weakening of organ function, decreases in physiologic reserve, and faltering social support.

Palliative Care Nursing

This is the second, completely updated edition of a comprehensive book in which many of the world's leading lung cancer specialists discuss the recent advances in the radiation oncology of lung cancer and reflect on the latest research findings. The first three sections cover the basic science of lung cancer, clinical investigations, including histology and staging, and a wide range of fundamental treatment considerations. Current treatment strategies for small cell and non-small cell lung cancer are then explained and evaluated in detail, with due attention to novel approaches that promise further

improvements in outcome. The various types of treatment-related toxicity are discussed, and quality of life studies and prognostic factors are also considered. After evaluating the latest technological and biological advances, including IMRT, IMAT, cyber knife treatment, and tomotherapy, the book concludes by thorough consideration of specific aspects of clinical research in lung cancer.

Learning Geriatric Medicine

This text provides a comprehensive and state-of-the-art overview of the major issues specific to the surgical decision-making process. These include patient's anatomy and pathophysiology as well as the magnitude of the injury at hand, the surgeon's own physiologic and mental status, training and experience, and many other factors such as creativity, leadership skills, and overall "biochemistry" of the environment. The text reviews theoretical as well as objective information that surgeons use to make intraoperative decisions in situations, often with very limited data; decisions that will decide between a patient's living or dying, such as in trauma surgery and other complex surgeries. How surgeons choose one technical approach over another in these situations is covered. This book fills a critical need for resource materials on these topics and includes both theoretical as well as practical presentations of many typical patients seen in operating rooms around the world. *Surgical Decision Making: Beyond the Evidence Based Surgery* is written by academic and clinical practicing surgeons that face intraoperative decision situations on a daily basis and therefore provides a unique and valuable resource in the field for surgeons currently in training and for those already in clinical or research practice.

Geriatric Medicine

This handbook introduces readers to the concept of elderly entrepreneurship, and analyzes key issues concerning individuals and institutions. In addition, it presents theoretical and empirical studies exploring the reasons why elderly persons choose to pursue entrepreneurship, despite their advanced age. To investigate this comparatively new entrepreneurial phenomenon, the contributors address psychological, sociological and gerontological aspects, and share unique interdisciplinary insights. The book's chapters are methodologically diverse, and the scale of analysis ranges from individual cases to country-level patterns. At a time when the world's major economies are facing a demographic challenge due to ageing populations, elderly entrepreneurship may provide new economic opportunities and motivate more inclusive policymaking.

Cancer and Aging Handbook

As the population ages, clinicians are facing an increasing number of elderly patients with colorectal cancer. These patients

pose unique challenges as they have more comorbidities and lower functional reserves. In addition, the treatment goals may differ from those in younger patients. This book discusses in depth the different aspects of management of colorectal cancer in the elderly. After the provision of pertinent background information on the normal physiology of aging, screening and diagnosis are discussed. Subsequent chapters focus on a range of issues associated with the surgical and perioperative care of these patients and with adjuvant treatment and palliative care. Each chapter provides helpful take-home messages in bullet point form, and numerous informative figures and tables are also included. The authors are surgeons, physicians, anesthesiologists, geriatricians, oncologists, and allied health professionals with extensive experience in the field.

Manual of Cardio-oncology

A state-of-the-art, multidisciplinary approach to cancer and aging With the majority of cancers occurring in individuals over the age of 65 against a backdrop of an expanding aging population, there is an urgent need to integrate the areas of clinical oncology and geriatric care. This timely work tackles these issues head-on, presenting a truly multidisciplinary and international perspective on cancer and aging from world-renowned experts in geriatrics, oncology, behavioral science, psychology, gerontology, and public health. Unlike other books on geriatric oncology that focus mainly on treatment, *Cancer and Aging Handbook: Research and Practice* examines all phases of the cancer care continuum, from prevention through evidence-based diagnosis and treatment to end-of-life care. Detailed clinical and research information helps guide readers on effective patient care as well as caregiver training, research, and intervention. Coverage includes: Epidemiology of cancer in older adults, plus the unique physical, mental, and social issues involved Strategies and guidelines for prevention, screening, and treatment of older individuals with cancer The most common cancers in the elderly, including breast, colorectal, lung, prostate, and ovarian cancer Cancer survivorship in older adults as well as the all-critical issues of palliative care and pain management Emerging topics such as caregiver and family issues, different models of care, and cost considerations An essential resource for clinicians and caregivers as well as researchers interested in this evolving field, *Cancer and Aging Handbook* is also useful for public health professionals and policymakers who need to formulate services and allocate resources for the growing population of older cancer patients.

Prevention of Nausea and Vomiting in Cancer Patients

Human immunosenescence contributes to morbidity and mortality in later life. Understanding the reasons for age-associated alterations to protective immunity in the elderly would ultimately improve and extend healthspan. The majority of the papers collected in this remarkable and timely volume address the mechanisms responsible for immune ageing in humans. They also consider what might be accomplished to redress the erosion of immune competence with age.

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