

cancer and aging handbook research and practice

[#cancer and aging](#) [#geriatric oncology](#) [#aging research](#) [#cancer treatment older adults](#) [#oncology handbook](#)

This comprehensive handbook delves into the intricate relationship between cancer and aging, offering an essential resource for professionals and researchers. It synthesizes the latest aging research and cutting-edge geriatric oncology findings, alongside practical, evidence-based cancer treatment for older adults strategies. Gain valuable insights to enhance practice and improve patient outcomes in this critical field.

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Cancer and Aging Handbook

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.

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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

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Cancer and Aging

Outlining the complex interaction between the two phenomena Cancer is clearly an age-related disease. Recent research in both aging and cancer has demonstrated the complex interaction between the two phenomena. This affects a wide spectrum of research and practice, anywhere from basic research to health care organization. Core examples of these close associations are addressed in this book. Starting with basic research, the first chapters cover cancer development, mTOR inhibition, senescent cells altering the tumor microenvironment, and immune senescence affecting cancer vaccine response. Taking into account the multidisciplinary of geriatric oncology, several chapters focus on geriatric and oncologic aspects in patient assessment, treatment options, nursing and exercise programs. The book is rounded off by a discussion on the impact of the metabolic syndrome illustrating the interactions between comorbidity and cancer and a chapter on frailty. This book provides the reader with insights that will hopefully foster his or her reflection in their own research and practice to further the development of this most exciting field. Given the aging of the population worldwide and the high prevalence of cancer, it is essential reading not only for oncologists and geriatricians but for all health practitioners.

Handbook of Quality of Life in Cancer

Quality of life is an important outcome when treating a cancer patient. Research is vast on the role of quality of life on patients' general wellbeing, responsiveness to treatment, and even mortality. On the other hand, there are several methodological considerations when planning to measure and assess quality of life in cancer patients. This handbook – with authorship that is diverse in terms of perspectives, countries, and fields – aims to fill a gap in the available literature and responds to a number of questions in its 26 chapters: What is quality of life and health-related quality of life and why are they important? How is quality of life assessed? What are the theoretical and methodological considerations when using quality of life outcomes in cancer research? How is quality of life useful in routine clinical care? How is quality of life impacting different cancer populations in terms of site of the cancer, age, gender, and context? Handbook of Quality of Life in Cancer is a learning and consulting tool that can be used by a diverse audience. It is an essential resource for researchers who wish to use quality of life assessment tools in clinical trials or other types of studies; clinicians who want to develop their understanding of how they can utilize quality of life and how it is important for the patients they care for; and commissioners who wish to see why quality of life may impact population health and health system costs. Students in diverse fields of study (medicine, nursing, psychology, social work, medical sociology, population health, epidemiology, and medical statistics, among others) also would benefit from using the handbook for their studies and for their continuing professional development.

Handbook of Cancer Survivorship

This timely revision of the authoritative handbook gives a wide range of providers practical insights and strategies for treating cancer survivors' long-term physical and mental health issues. Details of new and emerging trends in research and practice enhance readers' awareness of cancer survivor problems so they may better detect, monitor, intervene in, and if possible prevent disturbing conditions and potentially harmful outcomes. Of particular emphasis in this model of care are recognizing each patient's uniqueness within the survivor population and being a co-pilot as survivors navigate their self-management. New or updated chapters cover major challenges to survivors' quality of life and options for service delivery across key life domains, including: Adaptation and coping post-treatment. Problems of aging in survivorship, disparities and financial hardship. Well-being concerns including

physical activity, weight loss, nutrition, and smoking cessation. Core functional areas such as work, sleep, relationships, and cognition. Large-scale symptoms including pain, distress, and fatigue. Models of care including primary care and comprehensive cancer center. International perspectives PLUS, insights about lessons learned and challenges ahead. With survivorship and its care becoming an ever more important part of the clinical landscape, the Second Edition of the Handbook of Cancer Survivorship is an essential reference for oncologists, rehabilitation professionals, public health, health promotion and disease prevention specialists, and epidemiologists.

Handbook of Social Work in Health and Aging

The Handbook of Social Work in Health and Aging is the first reference to combine the fields of health care, aging, and social work in a single, authoritative volume. These areas are too often treated as discrete entities, while the reality is that all social workers deal with issues in health and aging on a daily basis, regardless of practice specialization. As the baby boomers age, the impact on practice in health and aging will be dramatic, and social workers need more specialized knowledge about aging, health care, and the resources available to best serve older adults and their families. The volume's 102 original chapters and 13 overviews, written by the most experienced and prominent gerontological health care scholars in the United States and across the world, provide social work practitioners and educators with up-to-date knowledge of evidence-based practice guidelines for effectively assessing and treating older adults and their families; new models for intervention in both community-based practice and institutional care; and knowledge of significant policy and research issues in health and aging. A truly monumental resource, this handbook represents the best research on health and aging available to social workers today.

Handbook of Rehabilitation in Older Adults

This book discusses the state of the research and cutting-edge practice with regard to chronic illnesses and rehabilitation in older adults. It emphasizes biopsychosocial and culturally appropriate rehabilitation approaches to reduce the degree of disability and maximize independence in the activities of daily living among the burgeoning aging population. Organized in four sections—Introduction and Overview, Major Illnesses and Problems in Aging Populations, Evaluation of Functional Rehabilitation Approaches for Aging Populations, and Future Clinical Research Needs—the book includes chapters on the “graying” of the West with implications for increased chronic illnesses and disabilities; a review of biopsychosocial rehabilitation approaches; important “aging” issues such as slips-and-falls, musculoskeletal pain, chronic disabling conditions such as cancer and cardiovascular disease, and work-related factors to maintain work engagement in older workers. The US Census Bureau projects that by the year 2030, about 20% of the U.S. population will be 65 or older, contributing to the increased concern about healthcare and rehabilitation issues among older adults. /div This work will be of interest to healthcare, rehabilitation, vocational, human resource and disability management professionals, policy makers as well as researchers in areas of aging, gerontology, chronic illness, disability, rehabilitation, social work, medicine and psychology.

Frailty in Older Adults with Cancer

This book summarizes evidence on frailty and ageing, how this may impact patient outcomes and how frailty can be assessed, managed and incorporated in the decision-making process for older patients with cancer. The book aims to: empower clinical teams to assess and support older cancer patients with frailty, ideally within a multidisciplinary setting; and to improve the selection of older cancer patients to the most appropriate management/treatment strategies in order to improve the outcomes of this group of patients often underrepresented in research. The reader will learn the methods available for assessing frailty, such as screening tools, but also how to perform different geriatric assessments covering the different key components (physical, nutritional, social, psychological, etc.). The book also provides information on how to manage and intervene on frailty with the role of pre-rehabilitation and re-rehabilitation, how to set-up specialised teams and pathways within one's hospital and community for these older cancer patients with frailty. Finally, the management of this challenging group of patients according to the cancer type is discussed in detail, alongside with mapping the unmet research needs and future directions in this field.

Handbook of Geriatric Oncology

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.

Resilience and Aging

A renowned geriatric psychiatrist explains how enhanced resilience—which involves positively adapting to adversity in a way that maintains a person's biological and psychological equilibrium—can counter the vulnerability to stress which many older adults can encounter.

Geriatric Oncology

This book is intended as a comprehensive resource for clinicians and researchers seeking in-depth information on geriatric oncology. The coverage encompasses epidemiology, the biology and (patho)physiology of aging and cancer, geriatric assessment and management, hematologic malignancies, solid tumors, issues in patient care, and research methods. Since cancer is a disease of aging and people are living longer, most cancer patients are now aged 70 and older. Yet the more we age, the more diverse we become in terms of our health, biologic fitness, and cancer behavior. Typically, however, general oncology clinical trials address only a selected healthier and younger population of patients. Geriatric oncology is the area of oncology that addresses these issues but while a wealth of knowledge has been accumulated, information is often difficult to retrieve or insufficiently detailed. The SpringerReference program, in which this book is published, offers an ideal format for overcoming these limitations since it combines thorough coverage with access to living editions constantly updated chapter by chapter via a dynamic peer-review process, ensuring that information remains current and pertinent.

Management of Breast Cancer in Older Women

The second, updated edition of Management of Breast Cancer in Older Women offers the reader evidence-based knowledge to support the care of older patients with breast cancer. It presents the most up-to-date research and clinical practice from leading specialists across a range of fields that come into contact with older breast cancer patients. With new chapters on nursing and clinical trials in older women, as well as patient perspectives and the issues of managing patients with cognitive impairment, the book offers a new focus on this increasingly common and important group of patients. Multidisciplinary in its approach, this book covers all the bases for managing breast cancer in older women. The full range of therapeutic options is presented, as well as the epidemiology and specific psychosocial considerations for older patients. Medical, surgical and radiation oncologists, breast nurses, gerontologists and all healthcare professionals involved in the management of older breast cancer patients will benefit from this unique and important work.

The Oxford Handbook of Social Work in Health and Aging

Revised edition of Handbook of social work in health and aging, 2006.

Handbook of Gerontology

A multidisciplinary resource that combines the latest research with the best practices for working with older adults The Handbook of Gerontology: Evidence-Based Approaches to Theory, Practice, and Policy provides an essential source of important theoretical and applied information on gerontology for all mental health professionals interested in optimizing the health and well-being of older adults. Interdisciplinary and incorporating the most current evidence-based practices in its focus, this timely book considers the many factors that affect the way this growing population experiences the world-and provides a positive and proactive guide to administering care. Integrating the latest research findings with important practice implications for working with an older client population, the Handbook of Gerontology draws on a multidisciplinary team of expert contributors who provide coverage and insight into a diverse range of topics, including: A global perspective on aging Elder abuse Family caregiving Parenting grandchildren Depression Substance abuse Alzheimer's disease Successful aging and personality Biological and cognitive aspects and theories of aging An exceptional resource for practitioners, researchers, policymakers, and students, the Handbook of Gerontology is essential reading for anyone who works with older adults.

Handbook of Research on Health Systems and Organizations for an Aging Society

Population aging is a growing challenge worldwide. As such, new models of provision, organization, and allocation of resources, particularly in healthcare, are needed. As the self-care and long-term care needs of this age group become more prevalent, the importance of improved health services and effective health management strategies are apparent. The Handbook of Research on Health Systems and Organizations for an Aging Society provides emerging research exploring the challenges and opportunities for the development and management of health systems and organizations in relation to people aged 65 and over. Featuring coverage on a broad range of topics such as emotional wellness, long-term care, and professional caregiving, this book is ideally designed for health technicians, doctors, nurses, pharmacists, hospital administrators, clinical directors, laboratory technicians, medical professionals, researchers, and students.

Management of Colorectal Cancers in Older People

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 colorectal cancers 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.

Social Work and Health Care in an Aging Society

This book places significant issues related to the health, mental health, and well-being of older adults and their caregivers within the context of social work service delivery. By presenting the research of social work scholars, all experts in specific research areas, the editors clarify the value that social work brings to the larger realm of health care for older adults and their families. Special consideration is given to such issues as case management, urban, African-American elders, grandmothers raising grandchildren, aging persons with developmental disabilities, home health care, and more. For Further Information on Dr. Berkman, Please Click Here!

Management of Lung Cancer in Older People

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.

EBOOK: Young People Living With Cancer

"This book is shouting out to every person who is involved with young people's cancer. I hope they listen." Macmillan Cancer Support "This is an absolute 'must' read for all those who care for young people with cancer, including the patients themselves, parents, doctors, nurses, psychologists and all of the caring professions." Professor Tim Eden, Christie NHS Trust, Manchester, UK "I particularly liked the layout of the book and the initial chapter is called 'setting the scene'. It does just that and informs the reader of services available and leads the reader into the remaining chapters about diagnosis

through to sexuality and finally implication for policy and practice. I would recommend this book for everyone involved with cancer care. As a nurse I found it excellent. As a mum of two young people I found it very emotional." Jan Stevens, Nurse Coordinator, Hospice at Home "This book should be compulsory reading for all healthcare professionals who work with young people with cancer and especially for all professionals who may, at some stage, meet a solitary young person with cancer." Sue Morgan, St James's University Hospital, Leeds, UK What issues are of most concern to young adults living with cancer? How can a supportive care setting be established? How can we offer the optimum age appropriate care? This book uses original data gathered from in-depth research to present an account of what it is like to be an adolescent or young adult living with cancer. These first hand accounts contribute to the insight necessary to the provision of age appropriate quality care. The implications of these research findings for policy and practice are also related to NICE Guidance (2005). Though primarily based on a thematic analysis of interview data, the book also provides contextual and statistical information on the current incidence of cancer in young adults. Young People Living with Cancer is essential reading for health professionals engaged in the care of young adults with cancer, support workers in the health services, young adults with cancer, their families, academics and students. The text offers a contribution to policy and practice that may enhance compliance and consequently improve outcomes.

Handbook of Oncology Social Work

The development of this inaugural Handbook of Oncology Social Work: Psychosocial Care for People With Cancer provides a repository of the scope of oncology social workers' clinical practice, education, research, policy and program leadership in the psychosocial care of people with cancer and their families. It focuses on the unique synergy of social work perspectives, values, knowledge, and skills with the psychosocial needs of cancer patients, their families, and the health care systems in which they are treated. It addresses both the science and art of psychosocial care and identifies the increasing specialization of oncology social work related to its unique knowledge base, skills, role, and the progressive complexity of psychosocial challenges for patients with cancer. This Handbook equips the reader with all that we know today in oncology social work about patient and family centered care, distress screening, genetics, survivorship, care coordination, sociocultural and economic diversity, legal and ethical matters, clinical work with adults living with cancer, cancer across the lifespan, their caregivers and families, pediatrics, loss and grief, professional career development, leadership, and innovation. Our hope is that in reading this Handbook you will identify new areas where each of you can leave your mark as innovators and change agents in our evolving field of practice.

The Handbook of Stress and Health

A comprehensive work that brings together and explores state-of-the-art research on the link between stress and health outcomes. Offers the most authoritative resource available, discussing a range of stress theories as well as theories on preventative stress management and how to enhance well-being. Timely given that stress is linked to seven of the ten leading causes of death in developed nations, yet paradoxically successful adaptation to stress can enable individuals to flourish. Contributors are an international panel of authoritative researchers and practitioners in the various specialty subjects addressed within the work.

Aging and Age-Related Disorders

Features that characterize the aging process include the gradual accumulation of cell damage after prolonged exposure to oxidative and inflammatory events over a lifetime. In addition to the accretion of lesions, the intrinsic levels of pro-oxidant and aberrant immune responses are elevated with age. These adverse events are often further enhanced by the chronic and slow progressing diseases that characterize the senescent brain and cardiovascular system. The incidence of some disorders such as Alzheimer's disease and vascular diseases are sufficiently prevalent in the extreme elderly that these disorders can arguably be considered "normal". Aging and Aging-Related Disorders examines the interface between normal and pathological aging, and illustrates how this border can sometimes be diffuse. It explores and illustrates the processes underlying the means by which aging becomes increasingly associated with inappropriate levels of free radical activity and how this can serve as a platform for the progression of age-related diseases. The book provides chapters that examine the interactive relationship between systems in the body that can enhance or sometimes even limit cellular longevity. In addition, specific redox mechanisms in cells are discussed. Another important aspect

for aging discussed here is the close relationship between the systems of the body and exposure to environmental influences of oxidative stress that can affect both cellular senescence and a cell's nuclear DNA. What may be even more interesting to note is that these external stressors are not simply confined to illnesses usually associated with aging, but can be evident in maturing and young individuals. A broad range of internationally recognized experts have contributed to this book. Their aim is to successfully highlight emerging knowledge and therapy for the understanding of the basis and development of aging-related disorders.

Principles and Practice of Geriatric Medicine

The fourth edition of the highly acclaimed *Principles and Practice of Geriatric Medicine* provides an account of the fundamental changes associated with ageing, which are essential to our understanding and management of the elderly sick population. The title has been extensively revised and updated to reflect the enormous changes in treatment options and medical conditions emerged since publication of the third edition. Written by worldwide experts of international repute, this is the most up-to-date and comprehensive single reference source currently available. *Principles & Practice of Geriatric Medicine, Fourth Edition* incorporates: More than 30 new chapters, including: Preventive geriatrics, Anorexia of Aging, Managements of Weight Loss, Dehydration, Vitamins and Minerals in the Elderly, Cancer and Aging, Mild Cognitive Impairment, Treatment of Behavioral Disorders, The Older Patient with Down's Syndrome, Drug Abuse in Older People, Breast Cancer, Women's health A truly global perspective, including new chapter on: Care of the elderly in Israel: old age in a young land, Geriatric Medicine in China, Geriatric medicine education in Europe, Geriatrics from the European Union Perspective, India, Day Hospitals, Perspectives from Latin America The title will be indispensable for all those involved in the treatment of older patients: Gerontologists to keep up-to-date with the latest developments in the field General practitioners and specialists in health policy and community care, who increasingly have to deal with a significant number of older people. Academic researchers in geriatric medicine, who are in need for an all encompassing reference work Medical registrars (UK) / residents (US) in order to pass their exams Teachers of Geriatric Medicine Hospital libraries with increasing budgets to spend on much needed resource in this growing field. Professionals within the pharmaceutical industry in order to monitor treatment options and new prescription developments.

Comprehensive Geriatric Oncology, Second Edition

The prevention and treatment of cancer in older patients requires an individualized approach, as age causes unpredictable results from patient to patient. Completely revised and updated, the Second Edition of *Comprehensive Geriatric Oncology* enables clinicians to choose the best possible cancer care. Highlighting newly emerging issues in geriatric oncology, it helps physicians promote cancer prevention. Like its groundbreaking, bestselling predecessor, this new edition exhaustively reviews the biology of cancer and aging, epidemiologic trends, and clinical trials that concern cancer prevention and treatment in the elderly. New chapters contain material on topics such as assessment, fragility, symptom management, and emergencies, and studies the effectiveness of training programs in geriatric oncology. The book addresses issues of healthcare delivery, including cost and evaluation of utility and outcome, suggests new research approaches, reviews existing guidelines for the prevention and treatment of cancer in the elderly, and more. Providing a frame of reference for the ongoing dialogue in the field of geriatric oncology, this is a major reference work for basic, population, and clinical scientists interested in the issue and for practices ministering to older patients.

The Epidemiology of Aging

The average age of the world's population is increasing at an unprecedented rate and this increase is changing the world. This "Silver tsunami" emphasizes the need to provide advanced training in epidemiology and increase the cadre of experts in the study of aging. This book is designed to summarize unique methodological issues relevant to the study of aging, biomarkers of aging and the biology/physiology of aging and in-depth discussions of the etiology and epidemiology of common geriatric syndromes and diseases. Contributing authors in the book represent many disciplines, not only epidemiology and clinical geriatrics, but also demography, health services, research, cardiovascular disease, diabetes, psychiatry, neurology, social services, musculoskeletal diseases and cancer. The aim of the book is to provide a broad multidisciplinary background for any student/researcher interested in aging. The material in the book is organized and comprehensive. It represents the most up-to-date information on the scientific issues in aging research written by academics who specialize in research

and training in the broad field of aging. The structure and organization of the book reflects our course series in the Epidemiology of Aging starting with the broad issues of demography and methodology, and then addressing specific health conditions and geriatric conditions common to older persons.

Health Services for Cancer Survivors

Health has been conceptualized by world and national health organizations (WHO, CDC, Healthy People 2010) as more than the absence of disease. It involves a focus on physical, psychosocial, and functional aspects of life as well as the prevention of future illnesses. At this point in the development of quality health care for cancer survivors, there is sufficient knowledge and expert opinion to push efforts forward to improve the health of cancer survivors. Clearly there is more research in the most prevalent forms of cancers (e.g., breast cancer) than others that provide us with guidance on how to optimize their health, but there are data on other forms of cancers that can also better inform practice. There may also be general care practices that can cut across cancer types. There has been an emergence of epidemiological and clinical research in cancer survivors that can form the basis for a revolution in the quality and nature of health care that survivors receive. This book not only provides the reader with diverse perspectives and data but also integrates this information so it can serve as the foundation necessary to improve and maintain the health of cancer survivors. Reporting of symptoms to health care providers is a complex, multi-determined problem influenced not only by the pathophysiology but also, as we have learned over the years through pain research, by societal, cultural, and biobehavioral factors. This book will consider this important aspect of follow-up for millions of cancer survivors because of the strong reliance on symptom reporting for clinical decision making. In order for us to generate meaningful and effective treatment, we need to better understand the symptom experience in cancer survivors. This book provides much information that will assist us to better understand and manage this complicated end point. The presenting problems need to be articulated and “conceptualized” as clearly as possible by both parties so appropriate actions can be taken. Since health care costs are a major concern for patients, payers, and providers, this area will also be addressed in all the relevant sections. In taking an interdisciplinary perspective, this book illustrates the importance of a team approach to the improvement of health care and associated health, well-being, and functioning in cancer survivors. The 17 chapters cover critical topics of which physicians and providers of all types must be aware in order to provide the most comprehensive and responsive care for cancer survivors. All of the clinical care chapters include case studies to illustrate the real-world application of these approaches in cancer survivors. Information about sources of referral both within and outside the traditional health care communities will be provided in tabular form. There is no other text that provides both an overview of the problems and their challenges, case illustrations of direct application, and the reality of reimbursement for such care. The editors hope that there may be no need for the clinician or the survivor to adapt to a “new normal” if the presenting problems are understood and handled from an interdisciplinary perspective as outlined here.

Geriatric Psycho-Oncology

Geriatric Psycho-Oncology is a comprehensive handbook that provides best practice models for the management of psychological, cognitive, and social outcomes of older adults living with cancer and their families. Chapters cover a wide range of topics including screening tools and interventions, psychiatric emergencies and disorders, physical symptom management, communication issues, and issues specific to common cancer sites. A resource section is appended to provide information on national services and programs. This book features contributions from experts designed to help clinicians review, anticipate and respond to emotional issues that often arise in the context of treating older cancer patients. Numerous cross-references and succinct tables and figures make this concise reference easy to use. Geriatric Psycho-Oncology is an ideal resource for helping oncologists and nurses recognize when it may be best to refer patients to their mental health colleagues and for those who are establishing or adding psychosocial components to existing clinics.

Living with Dying

The first resource on end-of-life care for healthcare practitioners who work with the terminally ill and their families, Living with Dying begins with the narratives of five healthcare professionals, who, when faced with overwhelming personal losses altered their clinical practices and philosophies. The book provides ways to ensure a respectful death for individuals, families, groups, and communities and is organized around theoretical issues in loss, grief, and bereavement and around clinical practice with

individuals, families, and groups. *Living with Dying* addresses practice with people who have specific illnesses such as AIDS, bone marrow disease, and cancer and pays special attention to patients who have been stigmatized by culture, ability, sexual orientation, age, race, or homelessness. The book includes content on trauma and developmental issues for children, adults, and the aging who are dying, and it addresses legal, ethical, spiritual, cultural, and social class issues as core factors in the assessment of and work with the dying. It explores interdisciplinary teamwork, supervision, and the organizational and financing contexts in which dying occurs. Current research in end-of-life care, ways to provide leadership in the field, and a call for compassion, insight, and respect for the dying makes this an indispensable resource for social workers, healthcare educators, administrators, consultants, advocates, and practitioners who work with the dying and their families.

Anti-aging Drugs

Aging is a natural phenomenon that is peculiar to all living things. However, accumulating findings indicate that senescence could be postponed or prevented by certain approaches. Substantial evidence has emerged supporting the possibility of radical human health and lifespan extension, in particular through pharmacological modulation of aging. A number of natural dietary ingredients and synthetic drugs have been assumed to have geroprotective potential. In the development of anti-aging therapeutics, several cell, insect, and animal models may provide useful starting points prior to human studies. This book provides an overview of current research aimed to search for life-extending medications and describes pharmacological aspects of anti-aging medicine. Readers are introduced to the fascinating historical background of geroprotection in the first chapter. In-depth information on models for investigating geroprotective drugs precedes a section covering anti-aging properties of pharmaceutical compounds, such as calorie restriction mimetics, autophagy inducers, senolytics and mitochondrial antioxidants. Finally, strategies to translate discoveries from aging research into drugs and healthcare policy perspectives on anti-ageing medicine are provided to give a complete picture of the field. A timely and carefully edited collection of chapters by leading researchers in the field, this book will be a fascinating and useful resource for pharmacologists, gerontologists and any scientifically interested person wishing to know more about the current status of research into anti-aging remedies, challenges and opportunities.

Management of Gynecological Cancers in Older Women

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 gynecological 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.

Lung Cancer

This book describes the molecular mechanisms of lung cancer development and progression that determine therapeutic interventions in the era of genomics, when the rapid evolution in lung cancer diagnosis and treatment necessitates critical review of new results to integrate advances into practice. The text opens with background and emerging information regarding the molecular biology of lung cancer pathogenesis. Updated results regarding lung cancer prevention and screening are discussed, followed by chapters on diagnostic techniques and pathological evaluation. This leads on to a detailed presentation of treatment modalities, from surgery and radiation therapy to standard chemotherapy and targeted agents. The coverage includes resistance to therapy and the emergence of immunotherapy for lung cancer; in addition, the current evidence in respect of small cell lung cancer is summarized. The book presents insights from experts across disciplines to emphasize the importance of collaborative care. Advances in our understanding of issues in geriatric oncology and palliative care complete the comprehensive discussion of lung cancer.

Cancer and Cancer Care

'This book creates new ground for all health professionals working in cancer care to read, enjoy, look at and question their practice.' Caroline Adcock, Clinical Practice Educator – Haematology and Oncology, Royal Shrewsbury Hospital
Cancer and Cancer Care is a complete study of cancer, the care of people with the disease and its impact on everyday life. Addressing the physical and psychosocial aspects of the illness in detail, it covers all fundamental aspects of cancer diagnosis, treatment, survival and aspects of psychosocial support for all those affected by cancer: patients, their families, and their

healthcare providers. Chapters include: - A review of the latest theory and evidence on over 30 separate topic areas - Reflective questions which challenge readers to reappraise what they have learned - Chapter overviews and chapter summaries which highlight the key points The book is essential reading for all those on cancer care courses at undergraduate and postgraduate level. It will be valuable reading for nurses, oncologists, psychologists, social workers and all healthcare practitioners and researchers working with people affected by cancer.

Gender in Psycho-oncology

'Gender in Psycho-Oncology' provides comprehensive views on the role of gender in the adjustment of the individual and the patient-caregiver pair when dealing with cancer. The text explores the significant role of gender in diverse pairings of genders between the patient and the caregiver. It also highlights the importance of age, generation, and socio-cultural characteristics; the illness trajectory and lifespan trajectory of the individual and the patient-caregiver pair; and an ongoing sociocultural movement that is changing social role expectations based on gender

ESMO Handbook of Cancer in the Senior Patient

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, b

EBOOK: Handbook of Health Research Methods: Investigation, Measurement and Analysis

"an ideal set text" Angela Scriven, Course Leader, Brunel University Which research method should I use to evaluate services? How do I design a questionnaire? How do I conduct a systematic review of research? This handbook helps researchers to plan, carry out, and analyse health research, and evaluate the quality of research studies. The book takes a multidisciplinary approach to enable researchers from different disciplines to work side-by-side in the investigation of population health, the evaluation of health care, and in health care delivery. Handbook of Health Research Methods is an essential tool for researchers and postgraduate students taking masters courses, or undertaking doctoral programmes, in health services evaluation, health sciences, health management, public health, nursing, sociology, socio-biology, medicine and epidemiology. However, the book also appeals to health professionals who wish to broaden their knowledge of research methods in order to make effective policy and practice decisions. Contributors: Joy Adamson, Geraldine Barrett, Jane P. Biddulph, Ann Bowling, Sara Brookes, Jackie Brown, Simon Carter, Michel P. Coleman, Paul Cullinan, George Davey Smith, Paul Dieppe, Jenny Donovan, Craig Duncan, Shah Ebrahim, Vikki Entwistle, Clare Harries, Lesley Henderson, Kelvyn Jones, Olga Kostopoulou, Sarah J. Lewis, Richard Martin, Martin McKee, Graham Moon, Ellen Nolte, Alan O'Rourke, Ann Oakley, Tim Peters, Tina Ramkalawan, Caroline Sanders, Mary Shaw, Andrew Steptoe, Jonathan Sterne, Anne Stiggelbout, S.V. Subramanian, Kate Tilling, Liz Twigg, Suzanne Wait.

An Evidence-based Approach to the Treatment and Care of the Older Adult with Cancer

"Description: The book offers a comprehensive overview of the treatment and care of the older adult with cancer. The evidence-based practice approach is timely and provides the foundation for nursing practice that is the expected standard of care. The use of the case study at the end of each chapter assists the reader in the synthesis and application of the information. The book addresses every aspect of the care and treatment of not only the cancer patient, but also the family. The chapter on complementary therapy is a bonus. Purpose: The purpose is to focus on the unique aspects of treatment and care that the older adult with cancer requires. Addressing the older adult with cancer is of paramount importance to not only the health of the individual but of the family, community, and society. The book meets the author's objectives. Audience: This is written for all healthcare providers. The authors have written a book that can be used by gero-oncology nurses, but it is appropriate for the multidisciplinary team that provides care to the older adult with cancer. The authors have the professional background with applicable experience to edit this book. Features: This book covers more than the care and treatment of cancer in the older adult. It provides necessary background information that demonstrates the impact of cancer on the older patient and their significant others. The assessment information is useful for both experienced and novice nurses. The use of chapter case studies enables healthcare providers to apply the chapter content. The use of an evidence-based practice approach

to delivering healthcare is essential. The information allows nurses to use the findings from reviewed research literature in providing the best care for their patients in an efficient manner that also considers patient preferences, the risks, and the benefits of treatment or lack thereof. Assessment: This book provides guidance to novice to expert nurses in the treatment and care of the older adult cancer patient using a holistic approach. The chapters are well written by authors who are experts in their field. The Cochrane Guidelines are considered the gold standard for evaluating research that impacts treatment selection and care of all patients. Their use in the reference materials lends credibility to the information that is presented in the book." -- Publisher.

Systemic Delivery Technologies in Anti-Aging Medicine: Methods and Applications

This book presents a multidisciplinary assessment of the state of science in the use of systemic delivery technologies to deliver anti-aging therapeutics now under development. There is a gap between basic aging research and the development of intervention technologies. This major obstacle must be overcome before biogerontological interventions can be put into clinical practice. As biogerontology comes to understand aging as a systemic degenerative process, it is clear that there is a pressing need for technologies that enable cells and tissues in a fully developed adult body to be manipulated systemically to combat aging. The authors review advances in the chemistry and engineering of systemic delivery methods and analyze the strengths and limitations of each. The book is organized into six sections. The first offers an overview of the need for systemic delivery technologies alongside the development of anti-aging therapies and describes approaches that will be required for studying the properties and efficiency of carriers for systemic delivery. Sections II, III and IV describe recent advances in a range of strategies that may enable systemic delivery to help combat aging conditions ranging from cell senescence to decline in immune function and hormonal secretion. Section V discusses practical strategies to engineer and optimize the performance of delivery technologies for applications in systemic delivery, along with their working principles. The final section discusses technical and biological barriers that must be overcome as systemic delivery technologies move from research laboratory to clinical applications aimed at tackling aging and age-associated diseases. Benefiting scholars, students and a broader audience of interested readers, the book includes helpful glossary sections in each chapter, as well as sidebars that highlight important notes, and questions for future research.

The Epidemiology of Aging

The average age of the world's population is increasing at an unprecedented rate and this increase is changing the world. This "Silver tsunami" emphasizes the need to provide advanced training in epidemiology and increase the cadre of experts in the study of aging. This book is designed to summarize unique methodological issues relevant to the study of aging, biomarkers of aging and the biology/physiology of aging and in-depth discussions of the etiology and epidemiology of common geriatric syndromes and diseases. Contributing authors in the book represent many disciplines, not only epidemiology and clinical geriatrics, but also demography, health services, research, cardiovascular disease, diabetes, psychiatry, neurology, social services, musculoskeletal diseases and cancer. The aim of the book is to provide a broad multidisciplinary background for any student/researcher interested in aging. The material in the book is organized and comprehensive. It represents the most up-to-date information on the scientific issues in aging research written by academics who specialize in research and training in the broad field of aging. The structure and organization of the book reflects our course series in the Epidemiology of Aging starting with the broad issues of demography and methodology, and then addressing specific health conditions and geriatric conditions common to older persons.

Comprehensive Geriatric Assessment

This book offers an up-to-date review on the principles and practice of multidimensional assessment and management of the older individual, which represents the cornerstone of modern clinical practice in the elderly. The early chapters cover the main elements and scope of the comprehensive geriatric approach and explain the pathways of care from screening and case finding through to in-depth assessment and treatment planning. Subsequent chapters review the evidence of how best to apply the multidimensional assessment and management approach in defined healthcare settings and within specific clinical areas, such as cancer and surgery. Finally, the education and training challenges are reviewed and the prospects for future clinical service and research in this important field are examined. The book is very timely given the recent advances in application of this approach, which reflect the

growing international realization that older people are “core business” in many clinical areas where the role of specialist geriatric medicine has hitherto been limited. Accordingly, the book will be relevant to a wide range of clinicians. The authorship comprises many of the best known and widely published experts in their respective fields.

Encyclopedia of Health and Aging

The Encyclopedia of Health and Aging presents state-of-the-art research and ready-to-use facts on health and aging. This one-volume resource captures some of the excitement of the research in the field in terms of new findings as well as conceptual developments guiding research, practice, and policy. With more than 200 entries, it covers the biological, psychological, social, and economic aspects of health and aging and impacts within the health-care system. This Encyclopedia also focuses heavily on geriatrics with respect to geriatric syndromes and common diseases of aging.