

Cancer And Aging Handbook Research And Practice

Handbook of Social Work in Health and Aging
Optimal Aging
HDBK OF PHARMACOLOGY OF AGING
Handbook of Cancer Survivorship
Anticancer Research
The Oxford Handbook of Adult Cognitive Disorders
Cancer Care for the Whole Patient
Geriatric Oncology
Quality of Life Among Cancer Survivors
Management of Lung Cancer in Older People
Handbook of Geriatric Oncology
ESMO Handbook of Cancer in the Senior Patient
The Cumulative Book Index
Anemia in the Elderly
Handbook of Rehabilitation in Older Adults
Handbook of Models for Human Aging
The SAGE Handbook of Social Gerontology
Cancer and Aging Handbook
Handbook of National Organizations with Delegate Status at the White House Conference on Aging
Encyclopedia of Gerontology and Population Aging
Research Awards Index
Cancer and Aging Handbook on Immunosenescence
Supportive Cancer Care
Annual Report and Handbook for Cancer and Aging Handbook
Handbook of Tumor Syndromes
Handbook of Epigenetics
Handbook of Models for Human Aging
Handbook of the Biology of Aging
Handbook of the Biology of Aging
Handbook of Federal Assistance
Management of Urological Cancers in Older People
Resilience in Aging
Handbook of Research on Geriatric Health, Treatment, and Care
Cancer and Vitamin C
Handbook of Clinical Nutrition and Aging
Age-Period-Cohort Analysis
ESMO Handbook
Cancer Epidemiology

Handbook of Social Work in Health and Aging

The many significant technological and medical advances of the 21st century cannot overcome the escalating risk posed to older adults by such stressors as pain, weakness, fatigue, depression, anxiety, memory and other cognitive deficits, hearing loss, visual impairment, isolation, marginalization, and physical and mental illness. In order to overcome these and other challenges, and to maintain as high a quality of life as possible, older adults and the professionals who treat them need to promote and develop the capacity for resilience, which is innate in all of us to some degree. The purpose of this book is to provide the current scientific theory, clinical guidelines, and real-world interventions with regard to resilience as a clinical tool. To that end, the book addresses such issues as concepts and operationalization of resilience; relevance of resilience to successful aging; impact of personality and genetics on resilience; relationship between resilience and motivation; relationship between resilience and survival; promoting resilience in long-term care; and the lifespan approach to resilience. By addressing ways in which the hypothetical and theoretical concepts of resilience can be applied in geriatric practice, Resilience in Aging provides inroads to the current knowledge and practice of resilience from the perspectives of physiology, psychology, culture, creativity, and economics. In addition, the book considers the impact of resilience on critical aspects of life for older adults such as policy issues (e.g.,

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nursing home policies, Medicare guidelines), health and wellness, motivation, spirituality, and survival. Following these discussions, the book focuses on interventions that increase resilience. The intervention chapters include case studies and are intended to be useful at the clinical level. The book concludes with a discussion of future directions in optimizing resilience in the elderly and the importance of a lifespan approach to aging.

Optimal Aging

HDBK OF PHARMACOLOGY OF AGING

The prevalence of adult cognitive disorders will dramatically rise over the next 25 years due to the aging population. Clinical research on adult cognitive disorders has rapidly evolved, including evidence of new adult cognitive disorders and greater insight into the clinical presentation, mechanism, diagnosis, and treatment of established diseases. The Oxford Handbook of Adult Cognitive Disorders is an up-to-date, scholarly, and comprehensive volume covering most diseases, conditions, and injuries resulting in impairments in cognitive function in adults. Topics covered include normal cognitive and brain aging, the impact of medical disorders and psychiatric illnesses on cognitive function, adult neurodevelopmental disorders, and various neurological conditions. This Handbook also provides a section on unique perspectives and special considerations for clinicians and clinical researchers, covering topics such as

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cognitive reserve, genetics, diversity, and neuroethics. Readers will be able to draw upon this volume to facilitate clinical practice (including differential diagnosis, treatment recommendations, assessment practices), and to obtain an in-depth review of current research across a wide spectrum of disorders, provided by leaders in their fields. The Oxford Handbook of Adult Cognitive Disorders is a one-of-a-kind resource appropriate for both clinicians and clinical researchers, from advanced trainees to seasoned professionals.

Handbook of Cancer Survivorship

This is the new and fully revised third edition of the well-received text that is the benchmark book in the field of nutrition and aging. The editors (specialists in geriatric nutrition, medical sociology, and clinical nutrition, respectively) and contributors (a panel of recognized academic nutritionists, geriatricians, clinicians, and other scientists) have added a number of new chapters and have thoroughly updated the widely acclaimed second edition. This third edition provides fresh perspectives and the latest scientific and clinical developments on the interaction of nutrition with age-associated disease and provides practical, evidence-based options to enhance this at-risk population's potential for optimal health and disease prevention. Chapters on a wide range of topics, such as the role of nutrition in physical and cognitive function, and coverage of an array of clinical conditions (obesity, diabetes, heart failure, cancer, kidney disease, osteoporosis), compliment chapters

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on food insecurity, anti-aging and nutritional supplements, making this third edition uniquely different from previous editions. Handbook of Clinical Nutrition and Aging, Third Edition, is a practical and comprehensive resource and an invaluable guide to nutritionists, physicians, nurses, social workers and others who provide health care for the ever-increasing aging population.

Anticancer Research

Handbook of the Biology of Aging, Eighth Edition, provides readers with an update on the rapid progress in the research of aging. It is a comprehensive synthesis and review of the latest and most important advances and themes in modern biogerontology, and focuses on the trend of 'big data' approaches in the biological sciences, presenting new strategies to analyze, interpret, and understand the enormous amounts of information being generated through DNA sequencing, transcriptomic, proteomic, and the metabolomics methodologies applied to aging related problems. The book includes discussions on longevity pathways and interventions that modulate aging, innovative new tools that facilitate systems-level approaches to aging research, the mTOR pathway and its importance in age-related phenotypes, new strategies to pharmacologically modulate the mTOR pathway to delay aging, the importance of sirtuins and the hypoxic response in aging, and how various pathways interact within the context of aging as a complex genetic trait, amongst others. Covers the key areas in biological gerontology research in one

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volume, with an 80% update from the previous edition Edited by Matt Kaeberlein and George Martin, highly respected voices and researchers within the biology of aging discipline Assists basic researchers in keeping abreast of research and clinical findings outside their subdiscipline Presents information that will help medical, behavioral, and social gerontologists in understanding what basic scientists and clinicians are discovering New chapters on genetics, evolutionary biology, bone aging, and epigenetic control Provides a close examination of the diverse research being conducted today in the study of the biology of aging, detailing recent breakthroughs and potential new directions

The Oxford Handbook of Adult Cognitive Disorders

Cancer care today often provides state-of-the-science biomedical treatment, but fails to address the psychological and social (psychosocial) problems associated with the illness. This failure can compromise the effectiveness of health care and thereby adversely affect the health of cancer patients. Psychological and social problems created or exacerbated by cancer--including depression and other emotional problems; lack of information or skills needed to manage the illness; lack of transportation or other resources; and disruptions in work, school, and family life--cause additional suffering, weaken adherence to prescribed treatments, and threaten patients' return to health. Today, it is not possible to deliver high-quality cancer care without using existing

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approaches, tools, and resources to address patients' psychosocial health needs. All patients with cancer and their families should expect and receive cancer care that ensures the provision of appropriate psychosocial health services. Cancer Care for the Whole Patient recommends actions that oncology providers, health policy makers, educators, health insurers, health planners, researchers and research sponsors, and consumer advocates should undertake to ensure that this standard is met.

Cancer Care for the Whole Patient

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.

Geriatric Oncology

Quality of Life Among Cancer Survivors

Management of Lung Cancer in Older People

This textbook provides a highly coordinated, interdisciplinary model for future clinical cancer supportive care programs in National Cancer Institute

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(NCI)-designated Clinical and Comprehensive Cancer Centers and NCI Community Oncology Research Programs (NCORPs). At the same time, it is intended to serve as an up-to-date resource for oncologists and primary care providers that addresses the many aspects of supportive care associated with cancer survivorship. Accordingly, the book covers a wide range of areas and topics, including but not limited to patient navigation, psychosocial oncology, patient and family education, lifestyle change counseling, palliative care, symptom management (eg. Pain control), cancer risk and genetic counseling, and financial planning.

Handbook of Geriatric Oncology

The Handbook of Models for Human Aging is designed as the only comprehensive work available that covers the diversity of aging models currently available. For each animal model, it presents key aspects of biology, nutrition, factors affecting life span, methods of age determination, use in research, and disadvantages/advantages of use. Chapters on comparative models take a broad sweep of age-related diseases, from Alzheimer's to joint disease, cataracts, cancer, and obesity. In addition, there is an historical overview and discussion of model availability, key methods, and ethical issues. Utilizes a multidisciplinary approach Shows tricks and approaches not available in primary publications First volume of its kind to combine both methods of study for human aging and animal models Over 200 illustrations

ESMO Handbook of Cancer in the Senior Patient

A basic textbook addressed to medical and public health students, clinicians, health professionals, and all others seeking to understand the principles and methods used in cancer epidemiology. Written by a prominent epidemiologist and experienced teacher at the London School of Hygiene and Tropical Medicine, the text aims to help readers become competent in the use of basic epidemiological tools and capable of exercising critical judgment when assessing results reported by others. Throughout the text, a lively writing style and numerous illustrative examples, often using real research data, facilitate an easy understanding of basic concepts and methods. Information ranges from an entertaining account of the origins of epidemiology, through advice on how to overcome some of the limitations of survival analysis, to a checklist of questions to ask when considering sources of bias. Although statistical concepts and formulae are presented, the emphasis is consistently on the interpretation of the data rather than on the actual calculations. The text has 18 chapters. The first six introduce the basic principles of epidemiology and statistics. Chapters 7-13 deal in more depth with each of the study designs and interpretation of their findings. Two chapters, concerned with the problems of confounding and study size, cover more complex statistical concepts and are included for advanced study. A chapter on methodological issues in cancer prevention gives examples of epidemiology's contribution to primary prevention, screening and

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other activities for early detection, and tertiary prevention. The concluding chapters review the role of cancer registries and discuss practical considerations that should be taken into account in the design, planning, and conduct of any type of epidemiological research.

The Cumulative Book Index

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.

Anemia in the Elderly

Handbook of Rehabilitation in Older Adults

This book explores the ways in which statistical models, methods, and research designs can be used to open new possibilities for APC analysis. Within a single, consistent HAPC-GLMM statistical modeling framework, the authors synthesize APC models and methods for three research designs: age-by-time period tables of population rates or proportions, repeated cross-section sample surveys, and accelerated longitudinal panel studies. They show how the empirical application of the models to various

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problems leads to many fascinating findings on how outcome variables develop along the age, period, and cohort dimensions.

Handbook of Models for Human Aging

The Handbook of Models for Human Aging is designed as the only comprehensive work available that covers the diversity of aging models currently available. For each animal model, it presents key aspects of biology, nutrition, factors affecting life span, methods of age determination, use in research, and disadvantages/advantages of use. Chapters on comparative models take a broad sweep of age-related diseases, from Alzheimer's to joint disease, cataracts, cancer, and obesity. In addition, there is an historical overview and discussion of model availability, key methods, and ethical issues. Utilizes a multidisciplinary approach Shows tricks and approaches not available in primary publications First volume of its kind to combine both methods of study for human aging and animal models Over 200 illustrations

The SAGE Handbook of Social Gerontology

This authoritative handbook covers all aspects of immunosenescence, with contributions from experts in the research and clinical areas. It examines methods and models for studying immunosenescence; genetics; mechanisms including receptors and signal transduction; clinical relevance

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in disease states including infections, autoimmunity, cancer, metabolic syndrome, neurodegenerative diseases, frailty and osteoporosis; and much more.

Cancer and Aging Handbook

There are countless books on the market about nutrition, diet, and exercise in isolation. Optimal Aging brings these topics together as they relate to the process of aging and the diseases which so often accompany it. Written by Jerrold Winter, PhD, a professor of pharmacology and toxicology and the author of True Nutrition True Fitness, this book provides an integrated discussion about health matters, offering evidence-based advice regarding nutrition, exercise, and the use of pharmaceuticals as they relate to dementia, obesity, diabetes, cancer, pain, and other hazards of aging. Amid a sea of contradictory information about what's healthful, Optimal Aging stands out, delivering a comprehensive discussion about healthy living that's buoyed by source references, illustrative anecdotes, and just the right dose of humor. Drawing from current scientific understanding and providing historical perspectives, Winter speaks sensibly about drugs and their effects, vitamins and minerals, exercise, weight control, and treatment of age-related symptoms and diseases. With this authoritative book in hand, you'll gain a fundamental understanding of the disparate factors that come together to influence your well-being, setting you on the path to a longer, healthier, and happier life.

Handbook of National Organizations with Delegate Status at the White House Conference on Aging

This encyclopedia brings together established and emerging research findings in all relevant disciplines of gerontology and population aging. It provides comprehensive coverage of the entire breadth of the field, gives readers access to all major sub-fields and illustrates their interconnectedness with other disciplines. The more than 1,050 entries delve deep into key areas of gerontology and population aging—such as successful aging, disablement, ageism, longevity, biodemography, long-term care, and much more. Paying careful attention to national and international research, it cites English and non-English empirical literature from around the globe. In doing so, the encyclopedia is of interest to a wide audience that includes researchers, teachers and students, policy makers, nongovernmental agencies, public health practitioners, business marketing planners, futurists and strategists, and many other individuals and organizations. The encyclopedia brings together nearly 1,100 cross-disciplinary contributors, including academic researchers, biologists, psychiatrists, sociologists, anthropologists and public policy experts, and includes authors from around the world.

Encyclopedia of Gerontology and Population Aging

Handbook of Epigenetics, 2nd Edition provides a

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comprehensive analysis of epigenetics from basic biology to clinical application. Epigenetics is considered by many to be the "new genetics" in that many biological phenomena are controlled not through gene mutations, but rather through reversible and heritable epigenetic processes. These epigenetic processes range from DNA methylation to prions. The biological processes impacted by epigenetics are vast and encompass effects in lower organisms to humans that include tissue and organ regeneration, X-chromosome inactivation, stem cell differentiation, genomic imprinting and aging to name just a few functions of epigenetics. Aberrations of epigenetics influence many diseases involving, but not limited to cancer, immune disorders, neurological and metabolic disorders and imprinting diseases. Clinical intervention is already in place for some of these disorders and many novel epigenetic therapies are likely on the horizon. The first edition of Handbook of Epigenetics received excellent reviews. This second edition adds more current research and new topics based on customer and reader reviews, including new discoveries, approved therapeutics, and clinical trials. From molecular mechanisms and epigenetic technology to discoveries in human disease and clinical epigenetics, the nature and applications of the science is presented for those with interests ranging from the fundamental basis of epigenetics to therapeutic interventions for epigenetic-based disorders. A timely and comprehensive collection of fully up-to-date reviews on epigenetics, organized into one volume and written by leading figures in the field. Covers the latest advances in many different areas of epigenetics, ranging from basic aspects to

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technologies to clinical medicine Written at the verbal and technical levels that can be understood by scientists as well as college students Updated to include new epigenetic discoveries, newly approved therapeutics, and clinical trials

Research Awards Index

This handbook presents the latest research on social work with older people, providing specialist knowledge and resources to equip social workers to care for an aging population.

Cancer and Aging

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 on Immunosenescence

Supportive Cancer Care

Annual Report and Handbook for

Cancer and Aging Handbook

Handbook of Tumor Syndromes

Mental and physical disorders are common in old age but frequently remain undetected and untreated. Managing treatment and controlling symptoms of these disorders is imperative to the longevity and quality of life of patients. The Handbook of Research on Geriatric Health, Treatment, and Care provides emerging research on promoting health in older adults by preventing and treating diseases and disabilities. By highlighting topics such as alternative treatment, clinical diagnosis, and positive psychology, this publication explores the methods and approaches of identifying and diagnosing epidemiological factors that contribute to geriatric health issues. This book is an important resource for healthcare professionals, academicians, medical practitioners, researchers, and students seeking current research on the methods and strategies for maintaining healthy and successful care for the elderly.

Handbook of Epigenetics

A state-of-the-art, multidisciplinary approach to

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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.

Handbook of Models for Human Aging

"This SAGE Handbook integrates basic research on social dimensions of aging. It presents programmatic applications of research in areas not often seen in Handbooks including imprisonment, technology and aging, urban society aged, and elderly migration. The authors constitute a Who's Who of international gerontology, and the focus on globalization and aging is unique among Handbooks today. This Handbook should be in the library of every social gerontologist."

- Vern L. Bengtson, Professor of Gerontology, University of Southern California

This volume reflects the emergence of ageing as a global concern, including chapters by international scholars from Asia, Australasia, Europe and North America. It provides a comprehensive overview of key trends and issues in the field, drawing upon the full range of social science disciplines. The Handbook is organized into five parts, each exploring different aspects of research into social aspects of ageing:

- Disciplinary overviews: summaries of findings from key disciplinary areas within social gerontology.
- Social relationships and social differences: explores area like social inequality, gender, religion, inter-generational ties, social networks, and friendships.
- Individual characteristics and change in later life: examines different aspects of individual aging, including self and identity, cognitive processes, and bio-social interactions and their impact on physical and psychological aging.
- Comparative perspectives and cultural innovations: topics include ageing and development, ageing in a global context, migration, and cross-cultural

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perspectives on grandparenthood. Policy issues: covering policy concerns such as long-term care, technology and older people, end of life issues, work and retirement, and the politics of old age. This will be essential reading for all students, researchers and policy-makers concerned with the major issues influencing the lives of older people across the globe.

Handbook of the Biology of Aging

Tumors/cancers are characterized by uncontrolled growths of abnormal cells that extend beyond their usual boundaries and disrupt the normal functions of affected organs and systems. While about 75%–80% of tumors/cancers arise sporadically without a family connection, 20%–25% appear to be familial (including 10%–15% nonhereditary familial tumors [or familial tumors] and 5%–10% hereditary familial tumors [or hereditary tumors]). As nonhereditary and hereditary familial tumors often show both tumor-related and non-tumor-related (or syndromic) symptoms, they are referred to as tumor syndromes (or cancer susceptibility syndromes). In comparison with sporadic tumors/cancers, tumor syndromes (>300 described so far) tend to occur at a younger age, involve multiple organs and systems, produce multiple (often in a distinct spectrum) and bilateral lesions, form multiple hamartomatous, benign, or precursor lesions; locate in specific site(s), display unique syndromic features, and affect multiple members/generations of a family. This book provides state-of-art and authoritative coverage of nearly 100 tumor syndromes, with chapters presenting overviews

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of individual tumor syndromes in relation to their biology, epidemiology, pathogenesis, clinical features, diagnosis, treatment, and prognosis. Featuring contributions from oncologists, clinicians, and specialists, the book offers a reliable, comprehensive reference on tumor syndromes for scholars and students of medicine, dentistry, pharmacology, nursing, public health, and other biomedical disciplines. Key Features Reviews the biology, epidemiology, pathogenesis, and clinical features of tumor syndromes Contains up-to-date information on the diagnosis and treatment of tumor syndromes Includes expert coverage from leading oncologists and clinicians Related Titles J. R. McIntosh, Understanding Cancer: An Introduction to the Biology, Medicine, and Societal Implications of This Disease (ISBN 978-0-8153-4535-0) P. S. T. Shanmugam, Understanding Cancer Therapies (ISBN 978-1-1381-9815-9) J. M. Baehring and J. M. Piepmeier, eds., Brain Tumors: Practical Guide to Diagnosis and Treatment (ISBN 978-0-3673-9022-8) D. Liu, Tumors and Cancers: Endocrine Glands – Blood – Marrow – Lymph (ISBN 978-1-4987-2975-8) Dongyou Liu, PhD, has worked at several research and clinical laboratories in Australia and the United States for the past three decades, with a focus on molecular characterization of microbial pathogens and detection of human genetic disorders and tumors/cancers. He is the primary author of more than 50 original research and review articles in various peer-reviewed international journals, the contributor of 197 book chapters, and the editor of more than 10 books.

Handbook of the Biology of Aging

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

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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.

Handbook of Federal Assistance

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.

Management of Urological Cancers in

Older People

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. 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.

Resilience in Aging

Handbook of Research on Geriatric Health, Treatment, and Care

A world list of books in the English language.

Cancer and Vitamin C

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 Clinical Nutrition and Aging

Not long ago, a cancer diagnosis was regarded as an automatic death sentence; today there are ten million survivors. Equally impressive is the growing number of clinicians and researchers dedicated to improving the quality of survivors' lives and care. Yet despite this encouraging picture, there has never been a reliable central source for relevant clinical information — until now. This book, written by a cancer survivor and sixty other top scientist-practitioners, responds to the diverse needs of survivors and their support communities by comprehensively addressing the major issues in the field, from the burden of survivorship to secondary prevention.

Age-Period-Cohort Analysis

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

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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.

ESMO Handbook

Anemia in the elderly has been properly defined as the silent epidemic, representing 3 million people in the United States aged 65 years and older. Incidence and prevalence of this condition increase with age. It differs in its etiology, pathogenesis and treatment from anemia in children and younger adults. Anemia is associated with reduced survival, increased risk of functional dependence and hospitalization, increased risk of congestive heart failure and stage renal disease and cognitive disorders. Approximately 70%

of anemia in older individuals is reversible.

Cancer Epidemiology

This multidisciplinary reference explores the concepts and realities of quality of life among cancer survivors in its physical, psychological, cognitive, social, and familial dimensions. Informed by a broad range of fields including genetics, psychiatry, nursing, dentistry, rehabilitation, and ethics, it addresses daily challenges of living for this population, from self-care to cultural concerns and from social interactions to experiences with providers. Family issues of pediatric, young adult, and elder survivors, caregiving parents, and siblings are a major area of concern. And contributors describe interventions for survivors as individuals, in family context, and as part of integrated care across primary and specialty settings. Included among the topics: Play, leisure activities, and cognitive health among older cancer survivors. Genetic mutations in cancer susceptibility genes: a family history of cancer. Cancer patients in a pediatric intensive care unit: a single center experience. The impact of childhood cancer on the quality of life among healthy siblings. When cancer returns: family caregivers and the hospice team. Experiencing cancer services: a story of survival and dissatisfaction. A significant addition to the cancer survivorship literature, *Quality of Life Among Cancer Survivors* is a practice-building resource for oncology and allied health professionals, health psychologists, and social workers, as well as researchers in these fields.

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