

Free World Cancer Report 2014

World Cancer Report World cancer report (WHO). Global Epidemiology of Cancer Solar Radiation, Global Warming and Human Disease The State of the World Atlas Cancer Biology Journal of the National Cancer Institute Surgical Oncology Recent Trends in Cancer Therapeutics Cancer Care in Countries and Societies in Transition Cancer Prevention and Screening International Manual of Oncology Practice Cancer in the Arab World Essentials of Human Nutrition Personalized Nutrition Global Health Biodiversity, Conservation and Sustainability in Asia Cancer Challenges Cancer and AIDS Probiotics in Anticancer Immunity International Agency for Research on Cancer B W Stewart Randall E. Harris Steven Magee Dan Smith Raymond W. Ruddon M.D. Graeme J. Poston Divya Khurana Michael Silberman Rosalind A. Eeles Ramon Andrade de Mello Humaid O. Al-Shamsi Jim Mann Frans Kok Kevin McCracken Münir Öztürk Nima Rezaei Christopher Kwesi O. Williams Mitesh Kumar Dwivedi

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the burden of cancer is immense not only for affected individuals but also for their

relatives and friends at the community level cancer poses considerable challenges for the health care systems in poor and rich countries alike this report provides a unique global view of cancer it documents the frequency of cancer in different countries trends in cancer incidence and mortality and it describes the known causes of human cancer the molecular and cellular basis of the multi step process of malignant transformation is concisely summarized the report contains an up to date overview of cancer prevention including screening programmes for early diagnosis as well as advances in surgical and medical oncology including novel drugs targeting tumour specific signalling pathways the efforts of the world health organization who in the fight against cancer are detailed together with strategies for cancer control

in 28 chapters global epidemiology of cancer provides a basic overview of the most commonly occurring cancers their worldwide incidence and mortality designed for the health sciences particularly those in epidemiology public health and medicine this comprehensive resource is ideal as a primary text for an overview course or seminar on cancer or cancer epidemiology key features backed with research and draws upon worldwide information to address the global landscape of cancer offers clear concise descriptions of each specific type of oncologic disease as well as its epidemiology etiology risk factors and preventive factors includes a wealth of information on the pathogenesis of the disease as we currently understand it at the molecular level

this second edition book examines the modern development of the earth and the potential impacts on global warming and human disease the destruction of the forests for modern agricultural use appears to have effects that are not fully understood and these are explored radiation deficiency and radiation overloading are investigated to see if they are factors in many illnesses and diseases

the state of the world atlas is an accessible unique visual survey of current events and global trends highlighting the international scope and complexity of many challenges facing the humanity today with a bold new design this distinctive atlas presents the latest statistics on international trade and migration the globalization of work aging and new health risks up to and including the covid 19 pandemic food and water energy

resources and consumption literacy gender equality wars and peacekeeping and more and for the newest edition special attention has been brought to the way that all of these issues are affected by the ongoing climate crisis fascinating troubling and surprising this is an important resource for anyone who seeks to better understand the world around them

a thorough yet concise account of cancer biology this book emphasizes the cellular and molecular mechanisms involved in the transformation of normal into malignant cells the invasiveness of cancer cells into host tissues and the metastatic spread of cancer cells in the host organism it also defines the fundamental pathophysiological changes that occur in tumor tissue and in the host animal or patient the approach throughout the book is to discuss the historical development of a field citing the key experimental advances to the present day and to evaluate the current evidence that best supports or rules out concepts of the molecular and cellular mechanisms regulating cancer cell behavior for all the areas of fundamental cancer research an effort has been made to relate basic research findings to the clinical disease states the book is well illustrated with schematic diagrams and actual research data to demonstrate points made in the text and there is an extensive up to date bibliography in this revision dr ruddon has organized his text to provide more integrated discussion of the many topics covered in the third edition at the same time he has included much new material on molecular genetics and genetic diagnosis e g dna microarrays to mark tumors rna interference stem cells cell cycle regulation angiogenesis etc

surgical oncology is now a recognized specialty in the us and several european countries and cancer surgery takes up a significant part of any general surgeon s workload this thoroughly updated second edition of this bestseller is officially endorsed as a textbook for the syllabus and curriculum of the uems examination in surgical oncology which is administered by esso european society for surgical oncology the examination is for trainees at the end of training or established consultants seeking to expand their accreditation

this book describes the plasmonic photothermal assisted multimodal cancer therapeutics

in the area of cancer nanotechnology or cancer nanomedicine this book covers the fundamentals of plasmonic photothermal cancer therapy as well as plasmonic photothermal mediated multimodal cancer therapy the various steps involved in developing such therapeutic modality viz a the selection of suitable nanoparticles b synthesis of multifunctional nanocomposite c optimization of the photosensitizer and chemotherapeutic drug loadings d characterization of the synthesized nanocomposite and e therapeutic evaluations through novel tumor tissue mimicking phantoms and the cancer cell lines are discussed in detail apart from the detailed description of therapeutic outcome this book provides a step by step approach to develop a multifunctional nanocomposite for such therapeutics overall this book provides simplified and in depth information about cancer nanobiotechnology to the researchers and graduate students in subject areas of nanotechnology biotechnology and pharmaceuticals to develop and contribute to such multimodal cancer therapeutics

this is a rare compilation of clinically focused chapters on the practice of oncology in more than 25 countries and areas around the world that experience ongoing or intensifying ethnic religious and nationalistic conflict each chapter is written by an internationally respected local physician or nurse topics include the relationship between local culture and the local practice of mainstream modern medicine critical clinical issues faced by local physicians and options for when and how to incorporate palliative care the book ends with chapters on the united states current initiatives on promoting cancer care training in these regions and another on clinical concepts for western clinicians undertaking oncology practice in emerging countries the audience includes oncologists around the world those practicing medicine in similarly extreme circumstances western oncologists organizing or preparing for medical missions and western oncologists who wish to learn from the experiences of oncologists who practice under radically different conditions

winner of the council chair s choice award at the 2019 british medical association awards cancer prevention and screening offers physicians and all clinical healthcare professionals a comprehensive useful source of the latest information on cancer

screening and prevention with both a global and a multidisciplinary perspective includes background information on epidemiology cancer prevention and cancer screening for quick reference offers the latest information for clinical application of the most recent techniques in prevention and screening of all major and many lesser cancer types emphasises the importance of multidisciplinary teamwork in cancer screening highlights frequent dilemmas and difficulties encountered during cancer screening provides clear cut clinical strategies for optimal patient education communication and compliance with cancer prevention techniques

this textbook addresses themes ranging from the molecular issues of cancer sciences to clinical practice in medical oncology it clarifies many topics including molecular oncology chemotherapy pharmacology and practical issues for clinicians systemic treatments in many areas of oncology feature such as breast cancer gastrointestinal thoracic urological oncology head and neck tumors bone tumors sarcomas and palliative care an excellent source for young physicians and researchers in the field of oncology this book furthers understanding of medical oncology practice and facilitates professionals treatment of cancer patients it sets the direction for future research in the field and will become the readers regular working tool

this is an open access book this book is a must have for healthcare providers and researchers public health specialists and policy makers who are interested and involved in cancer care in the arab world the arab world consists of 22 countries which are members of the arab league and spanning over 13 132 327 km² with over 423 000 000 population over the past few decades the arab world has witnessed a swift evolution in healthcare provision nonetheless arab countries have considerable variability in economic capabilities resource allocation and intellectual talent that inevitably reflect on access to modern cancer care and prevention this book is authored by experts from the arab world who provide vital information on cancer statistics and risk factors available clinical care pathways and infrastructure and prevention programs in their individual countries the chapters also address specific challenges in each country and insights into future directions to achieve optimal care with conventional and novel

diagnostics and therapies to keep up with the era of precision medicine special topics of interest and unique to the arab world are also discussed such as out of the country s medical tourism for cancer care and cancer care during war and conflict other special chapters include cancer research in the arab world radiation therapy in arab world and pediatric oncology in the arab world cancer in the arab world is the first comprehensive book that addresses cancer care in depth in all arab countries and it is endorsed by the prestigious emirates oncology society

food is one of the basic necessities of life yet nutrition has only relatively recently been recognised as one of the most important determinants of individual and public health a full understanding of this multi faceted subject area requires an integrated approach from molecular to societal level essentials of human nutrition provides a complete and student friendly introduction to the field making it an ideal companion for students throughout their study of nutrition careful editing of contributions from an international team of experts draws together a broad spectrum of disciplines and promotes the practical application of nutritional science at the human level covering everything a student needs to know in order to understand the importance of nutrition to health and disease

from one person to the next optimal health is governed by a huge array of minor genetic differences when modulated by a variety of food bioactives these differences result in changes in gene expression and subsequent phenotypic expression combining biomedical and social science with contributions from leaders in both fields personalized nutri

global health continues to provide readers with a comprehensive up to date and thought provoking outline and understanding of the constantly evolving global health landscape in this new edition the authors have maintained the successful structure and organisation of the previous edition to examine and explain recent health changes and consider likely future patterns new or expanded topics covered include emerging and re emerging infectious disease threats increasing awareness of and interest in antimicrobial resistance and superbugs terrorism global conflict and health the new un 2030 agenda

for sustainable development the drive for universal health coverage the use of information technology in global health substance abuse palliative and end of life care ethical issues in global health using clear and original explanations of complex issues this text makes extensive use of boxed case studies and international examples with discussion questions posed for readers at the end of each chapter readers will also be able to take advantage of the new website that was designed to complement this book global health is essential reading for students and researchers of global health public health and development studies

of the world's seven continents Asia is the largest its physical landscapes political units and ethnic groups are both wide ranging and many southwest south and middle Asia are highly populated regions which as a whole cover an extremely large area of varied geography in total this domain is unique in its plant diversity and large vegetation zones with different communities and biomes it is rich in endemics with specific and intraspecific diversity of fruit trees and medicinal plants including a number of rare high value species at the same time much of the land in the region is too dry or too rugged with many geographical extremes overgrazing oil and mineral extraction and poaching are the major threats in the area this two volume project focuses on the dynamic biodiversity of the region with in depth analysis on phytosociology plants animals and agroecology there are also chapters that explore new applications as well as approaches to overcome problems associated with climate change much of the research and analysis are presented here for the first time we believe this work is a valuable resource for professionals and researchers working in the fields of plant diversity and vegetation animal diversity and animal populations and geo diversity and sustainable land use among others the first volume guides our readers to west Asia and the caucasus region while volume two focuses on issues unique to south and middle Asia

the rapid flow of studies in the field of cancer and immunology during the last decades has increased our understanding of the interactions between the immune system and cancerous cells in particular it has been well known that such interactions result in the induction of epigenetic changes in cancerous cells and the selection of less

immunogenic clones as well as alterations in immune responses understanding the crosstalk between nascent transformed cells and cells of the immune system has led to the development of combinatorial immunotherapeutic strategies to combat cancer the handbook of cancer and immunology offers a comprehensive and up to date review of cancer immunology and immunotherapy emphasizing key findings and clinically relevant data this reference work is an essential resource for researchers students academics and clinicians committed to advancing knowledge diagnostics and treatments in this vital field

the lifestyles and socio economic status that are prevalent in regions of the world with limited resources form the background for the unique features of neoplastic diseases in these areas where the majority of the world population lives the predominance of the world s retroviral burden of in these areas further compounds the nature and challenges of the cancer there much of the international cancer literature covers the nature and challenges of the disease as seen in high income regions of the world thereby giving a skewed view of the global cancer challenges as the low and middle income regions of the world transition from communicable to non communicable disease patterns there is a need for a corresponding paradigm shift with increased emphasis on what the world needs to know about non communicable diseases including cancer where the disease is hitherto poorly documented the main goal of the proposed book is to contribute to this outcomes

probiotics have been suggested to be involved in both prevention and treatment of various human cancers probiotics in anticancer immunity explains biochemical mechanisms of anticancer immunity exerted by probiotics in various human cancers it presents edited chapters focused on the evidence of probiotic use against human cancers through several animal and human studies part 1 of probiotics in anticancer immunity consists of 11 chapters the introductory chapters provide information about the link between gut microbiota and the host immune system in cancer and the general mechanisms of anticancer immunity exerted by probiotics subsequent chapters are focused on probiotics anticancer immunity in specific cancers such as skin cancer

stomach cancer breast cancer lung cancer head and neck cancer liver cancer cervical and colon cancer key features gives a new dimensions and insight in the role of probiotics in anticancer immunity towards various human cancers provides several color figures and tables to clearly explain relevant information includes recent information with new insights and references meets the needs of basic pre clinical and advanced clinical researchers and postgraduate scholars

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