

Book Reviews

Editorial Policy. Recently published books and journals (one copy) are invited by the Editorial Office for announcement and review in ANTICANCER RESEARCH (no fee). Each announcement should include the full title of the publication, authors or editors, the number of pages, price, year of publication, ISBN and publisher. Publishers will be notified upon receipt of books and tear sheets of reviews will be sent after publication. Books will be returned to the sender only if the announcement is rejected. Reviews will be objective and clear regarding the content, quality and usefulness of the publication.

Goodman's Basic Medical Endocrinology. 5th Edition.

Edited by E. Holt, B. Lupsa, G. Lee, H. Bassyouni, H. Peery.

2021, pp 552, USD 106.25, ISBN: 978-0-128-15844-9.

Academic Press, Elsevier, Cambridge, MA, USA.

Goodman's Basic Medical Endocrinology, Fifth Edition, has been student tested and approved for decades. This essential textbook provides up-to-date coverage of rapidly unfolding advances in the understanding of hormones involved in regulating most aspects of bodily functions. It is richly illustrated in full color with both descriptive schematic diagrams and laboratory findings obtained in clinical studies. This is a classic reference for moving forward into advanced study.

Key Features: Clinical case studies in every chapter; E-book version available with every copy for obtaining images and tables for lectures or notes; Clinicians added as co-authors to enhance usefulness by physicians and medical students and residents; Detailed molecular biology of hormones and hormone action for graduate and advanced undergraduate students; Expanded and updated color images emphasizing hormone action at the molecular level; In-depth molecular biology and clinical sections boxed for ease of access.

New Targeting in The Reversal of Resistant Glioblastomas, Volume 14. 1st Edition.

Edited by A.S. Arbab.

2021, pp 202, USD 148.75, ISBN: 978-0-128-22527-1.

Academic Press, Elsevier, Cambridge, MA, USA.

New Targeting in The Reversal of Resistant Glioblastomas discusses alternative treatment strategies that not only target tumor cells but also target the tumor microenvironment, metabolic pathways and interaction of cytokines in tumor cells. The current treatment for primary and recurrent glioblastomas is failing because clinicians are not considering the effect of bone marrow derived cells to the development of resistance to clinically practiced therapies. This book helps readers rethink treatment strategies to successfully fight glioblastomas. It is a valuable resource for cancer researchers, clinicians, graduate students and other members of the biomedical field.

Key Features: Explains the effect of bone marrow derived cells on the development of resistance to clinically practiced therapies; Provides information on the availability of alternate therapies for recurrent glioblastoma when standard practices have failed; Discusses targeting tumor microenvironment using available FDA approved drugs as an alternative treatment strategy for glioblastoma.

Stem Cells and Aging. 1st Edition.

Edited by S. Pathak, A. Banerjee.

2021, pp 320, USD 127.50, ISBN: 978-0-128-20071-1.

Academic Press, Elsevier, Cambridge, MA, USA.

Stem Cells and Aging covers what is known about the effect of time and age on the basic units of life, which are the corresponding tissue-specific or adult stem cells. Even though the concept of stem cells was introduced nearly a century ago by Alexander Maximow, modern stem-cell research began in 1963 when James Till, Ernest McCullough and Lou Siminovitch established assays to detect hematopoietic stem cells. In fact, given the importance of the aging-associated diseases, scientists have developed a keen interest in understanding the aging process as they attempt to define the role of dysfunctional stem cells in the aging process.

With an aging population worldwide, understanding these age-related stem cell changes at a basic biology level and at the level of their influences for regenerative medicine is of interest and importance. There is increasing evidence that the aging process can have much adverse effects on stem cells. In the modern era, one of the emerging fields in treating human diseases is stem cell research, as stem cells have the remarkable potential to treat a wide range of diseases. Nevertheless, understanding the molecular mechanism involved in aging and deterioration of stem cell function is crucial in developing effective new therapies for aging.

Key Features: Serves as an ideal reference to guide investigators toward valuable answers to the problems of our aging population; Addresses the effect of time and age on human stem cells; Includes chapters from contributors exploring the biology of stem cell aging around the globe.

Reciprocal Translation Between Pathophysiology and Practice in Health and Disease. 1st Edition.

Edited by P.B. Soeters, P.W. de Leeuw.

2021, pp 334, USD 127.50, ISBN: 978-0-128-20205-0.

Academic Press, Elsevier, Cambridge, MA, USA.

Reciprocal Translation Between Pathophysiology and Practice in Health and Disease brings a novel perspective, closing the knowledge gap between normal/abnormal physiology. Chapters describe the basic mechanisms underlying a disease or trauma-related response, describe consequences in practice, and provide insights on how to use information to better understand disease outcomes. Other sections explore how these responses are beneficial and driven by similar hormones and inflammatory immune cell derived modulators. This is a must-have resource for those seeking an authoritative and comprehensive understanding on how to treat the basic mechanisms underlying disease or trauma-related responses.

Key Features: Provides an overview of fundamental/foundational content and then goes on to translate the information to more clinically-oriented perspectives; Highlights the benefit of normal pathophysiological response to stress and the misunderstandings surrounding the treatment of this response; Explains how treatment should be adapted to support the inflammatory response and how to treat its inflammatory cause; Includes case studies and slides.

The Cause of Pyloric Stenosis of Infancy. 1st Edition.

Edited by I.M. Rogers.

2021, pp 170, USD 67.95, ISBN: 978-0-323-89776-1.

Academic Press, Elsevier, Cambridge, MA, USA.

The Cause of Pyloric Stenosis of Infancy chronicles the debate surrounding the cause of pyloric stenosis from its earliest discovery 300 years ago to the present. The Primary Hyperacidity Theory offers a credible explanation for all the classical signs and symptoms of pyloric stenosis as well its associated features. In addition, this book comprehensively explores the medical and surgical treatment options as well as the general features used for diagnosis. An understanding of the true cause of pyloric stenosis will thus allow for treatment that is more individualized and sensitive to patients' needs.

Key Features: Catalogues the classical signs and symptoms of pyloric stenosis and relates to their proposed causes; Investigates previously unexplained time-sensitive symptoms by relating them to a delay in maturation of the negative feedback between gastrin and acidity.

Starving Cancer Cells: Evidence-Based Strategies to Slow Cancer Progression. 1st Edition.

Edited by R. Fried, R.M. Carlton, D.A. Fried.

2021, pp 246, USD 127.50, ISBN: 978-0-128-24013-7.

Academic Press, Elsevier, Cambridge, MA, USA.

Starving Cancer Cells: Evidence-Based Strategies to Slow Cancer Progression — A Selection of Readings for Health Services Providers presents an edited and annotated collection of recent medical journal publications and abstracts illustrating new approaches to treatment derived from the metabolic theory of cancer. It intends to shed an early light on a relatively new approach to our understanding of the cancer cell idiosyncratic metabolic dysfunction, and on evidence-based new treatment strategies derived from that understanding.

The book discusses topics such as tumor starvation by L-arginine deprivation; L-canavanine depriving tumors of L-arginine in pancreatic, multiple myeloma and breast cancer; glucose deprivation and intermittent fasting; glutamine uptake in cancer; the relation of oxygen-starved cancer cells with aspartate; and reducing tolerance of tumor cells to nutrition starvation.

Key Features: Provides extensive comments on scientific publications detailing recent findings about tumor cell auxotrophy applied to tumor cell starvation strategies; Helps the reader to find relevant and practical information on cancer cell starvation, otherwise spread through niched specialized journals, in one single place; Comments on the recent findings putting them in context of clinical practice in order to provide the reader with means of translating high level research to the clinics.

Practical Diabetes Care for Healthcare Professionals. 2nd Edition.

Edited by S. Ludwig.

2021, pp 196, USD 85.00, ISBN: 978-0-128-20082-7.

Academic Press, Elsevier, Cambridge, MA, USA.

Practical Diabetes Care for Healthcare Professionals, Second Edition, helps healthcare professionals get up-to-speed on type 2 diabetes care. Type 2 diabetes is multifaceted, affecting a person's daily life, family and workplace. Beyond the usual health impact, diabetes may also carry significant psychological burdens. Successful care means whole [person] care which can be daunting for an individual healthcare provider. The complete assessment of people with diabetes must include a review of diabetes medications, blood glucose levels, nutritional intake, physical activity, and stress. Also important is a review of possible micro- and macrovascular complications.

This practical guide translates research and evidence-based recommendations into everyday clinical practice, with the goal of helping all members of the healthcare team more effectively manage their diabetic patients.

Key Features: Provides detailed, real-life case scenarios that illustrate the principles outlined in each chapter; Includes separate chapters for specific diabetes-related complications; Devotes a new chapter to the concept of the Diabetes Health Care Team and its impact on diabetes care; Expands on the importance of lifestyle approaches, including a key discussion on the emotional aspects of managing a long-term chronic disease; Provides a comprehensive, yet succinct, review of diabetes that includes details on medication choice, dosages, advancements and technological accomplishments.

Oxford Desk Reference. Oncology. 2nd Edition.

Edited by T. Ajithkumar, A. Barrett, H. Hatcher, S.J. Jefferies.

2021, pp 600, USD 100.00, ISBN: 978-0-198-74544-0.

Oxford University Press, Oxford, UK.

This easy-to-read, practical guide distils and compiles all the disparate literature on cancer into one succinct volume. It includes the essential, evidence-based clinical guidelines needed for the safe and effective management of patients with cancer, and has a clear layout to allow for quick reference whilst on the ward. All aspects of cancer and its management are covered, including prevention, screening, diagnosis, and treatment. The text begins by outlining the clinical approach to suspected cancer and the principles of multidisciplinary prevention and management. It then progresses through site-specific cancer management, including head and neck, CNS, thoracic, breast, gastrointestinal system, genitourinary system, female genital system, skin, musculoskeletal system, haemopoietic system, and endocrine. Later chapters cover oncological emergencies and acute oncology, and special situations such as cancer in younger and older people, and pregnancy and fertility. The guide also offers information about coping with the lifestyle and social issues that may arise with a diagnosis of cancer, such as insurance, travel and support, and includes a chapter dedicated to palliative care for the cancer patient. A unique appendix of clinical management flowcharts assists fast, appropriate decision-making.