

## 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.

### ICF Core Sets: Manual for Clinical Practice 2nd Edition.

*Edited by J. Bickenbach, A. Cieza, M. Selb, G. Stucki.*  
2021, pp 136, EUR 43.95, ISBN: 978-0-889-37572-7.  
Hogrefe Publishing, Göttingen, Germany.

The *ICF Core Sets* highlighted in this second edition of the book have been developed to facilitate the standardized use of the ICF in real-life clinical practice. Consequently, they can guide clinical quality management efforts. This edition has been updated to reflect developments in the *ICF Core Sets*, including updated information on eight new Core Sets and the Generic Sets, the new ICD-11 codes, more details on the Core Set development process, and a new section on ICF-based tools.

This manual: Introduces the concepts of functioning and the biopsychosocial model of the ICF; Describes how and why the ICF Core Sets have been developed; Explains step-by-step an approach for applying the ICF Core Sets in clinical practice; Provides practical tips for clinicians to apply the easy-to-use, comprehensive documentation form; Includes case examples illustrating the assessment of people with different health conditions and in different healthcare contexts. This manual is inherently multi-professional and will be of benefit not only for practitioners working in various healthcare contexts but also for students and teachers.

### Cancer. Oxidative Stress and Dietary Antioxidants. 2nd Edition.

*Edited by V. Preedy, V. Patel.*  
2021, pp 596, USD 170.00, ISBN: 978-0-128-19547-5.  
Academic Press, Elsevier, Cambridge, MA, USA.

*Cancer: Oxidative Stress and Dietary Antioxidants, Second Edition*, covers the science of oxidative stress in cancer and the potentially therapeutic usage of natural antioxidants in the diet or food matrix. The processes within the science of oxidative stress are described in concert with other processes, such as apoptosis, cell signaling, and receptor-mediated responses. This approach recognizes that diseases are often multifactorial and that oxidative stress is a single component. Other sections cover new organ site tumors—skin and liver cancer, the role of polymorphisms, cytochrome p450s, COX gene, fatty acids, apoptosis, T cells and mitochondria, prevention/protection with anthocyanins, esculetin, nanoparticles, and more.

This book is a valuable resource for cancer researchers, oncologists, nutritionists and other members of the biomedical field who are interested in enhancing treatment outcome, improving the quality of life of patients, and developing new treatments in the fight against cancer.

*Key Features:* Encompasses updated, revised and state-of-the-art information to advance cancer research; Bridges the gaps between nutrition, oxidative stress, and cancer, presenting a holistic approach for health care and research; Contains wide applicability to cancer research, from prevention to novel therapeutics.

### Organ Repair and Regeneration. Preserving Organs in the Regenerative Medicine Era. 1st Edition.

*Edited by G. Orlando, S. Keshavjee.*  
2021, pp 304, USD 148.75, ISBN: 978-0-128-19451-5.  
Academic Press, Elsevier, Cambridge, MA, USA.

*Organ Repair and Regeneration: Preserving Organs in the Regenerative Medicine Era* encompasses updates on all organs, from the kidneys, to the lungs, liver, pancreas, intestines, and beyond. Chapters cover the pathophysiology of ischemia-reperfusion, repairing organs with MSC, repairing cardiac allografts in situ, and much more. The book conceptualizes the idea that the modern approach to organ preservation is *ante literam*, a form of organ repair and regeneration which, *per se*, is referred to as a field of health sciences under the umbrella of regenerative medicine. This book demonstrates the merging of regenerative medicine and organ transplantation.

*Key Features:* Covers all aspects of organ preservation, repair and regeneration; Addresses the repair of organs that experience an Ischemia/Reperfusion (I/R) injury, those that are intended for transplantation, and specific issues related to each organ; Presented by editors and authors who are physicians, surgeons and researchers in the field of organ transplantation and regenerative medicine.

### Therapeutic Strategies to Overcome ALK Resistance in Cancer, Volume 13. 1st Edition.

*Edited by L. Friboulet.*  
2021, pp 216, USD 148.75, ISBN: 978-0-128-21774-0.  
Academic Press, Elsevier, Cambridge, MA, USA.

*Therapeutic Strategies to Overcome ALK Resistance in Cancer, Volume 13*, presents current strategies to improve and prolong clinical benefit in ALK driven cancers. Most patients with ALK-driven cancer are sensitive to tyrosine kinase inhibitor (TKI) therapy, but resistance invariably develops. This book discusses topics such as structure and function of ALK, ALK rearranged lung cancer, resistance mechanisms to ALK TKI tumors, and novel therapeutic strategies to enhance crizotinib anti-tumor efficacy in ALCL. Additionally, it encompasses information on drug combinations to enhance ALK TKI anti-tumor efficacy in neuroblastoma and future perspectives in the field.

This book is a valuable resource for cancer researchers, clinicians and several members of biomedical field who need to understand more about how to fight ALK resistance in cancer treatment.

*Key Features:* Explains the biology of ALK RTK, focusing on its tissue expression, structure and functionality; Presents an overview of current treatments and the benefits of ALK TKI in lung and other cancer types, such as ALCL, neuroblastoma and inflammatory myofibroblastic tumor; Encompasses information on systemic treatments other than TKI, including chemotherapy, immunotherapy and antiangiogenic agents in ALK-driven NSCLC.

### **Regenerated Organs. Future Perspectives. 1st Edition.**

*Edited by C. Sharma.*

2021, pp 366, USD 148.75, ISBN: 978-0-128-21085-7.

Academic Press, Elsevier, Cambridge, MA, USA.

*Regenerated Organs: Future Perspectives* provides the translational-research aspects, currently lacking in existing literature, in this rapidly-moving field. The book is divided into six sections: Engineering Approaches, Cardiovascular System, Musculoskeletal Regeneration, Regenerative Neuroscience, Respiratory Research, a Future Outlook and Conclusions. Each chapter is multi-authored by international experts in each area. The book's primary audience is academic faculty and those in industry interested in translational research in regenerative medicine and tissue engineering. Additionally, this book is ideal for graduate students in the field.

*Key Features:* Discusses recent advances in tissue and organ fabrication; Provides translational-research aspects that are often

lacking in existing literature; Contains chapters that are multi-authored by international experts in the field.

### **Mechanisms and Therapy of Liver Cancer, Volume 149. 1st Edition.**

*Edited by P. Fisher, D. Sarkar.*

2021, pp 402, USD 145.35, ISBN: 978-0-128-24030-4.

Academic Press, Elsevier, Cambridge, MA, USA.

*Mechanisms and Therapy of Liver Cancer, Volume 149*, presents the latest information on the incidence and mortality of liver cancer research and how it has gained significant momentum because of its direct causative association with obesity-induced fatty liver disease. The literature on liver cancer is moving fast with exciting, novel findings, providing new insights reflected in the following updated chapters: Introduction and molecular classification of HCC, Signaling Pathways in Liver Cancer, HCV and HCC, NASH and HCC, Microbiome and Metabolic Abnormalities in HCC, Systemic Therapy of Liver Cancer, Immunotherapy of Liver Cancer, and Desmoplastic Tumor Microenvironment and Intrahepatic Cholangiocarcinoma Progression: Mechanisms and Therapeutic Implications.

*Key Features:* Provides the latest information on liver cancer research; Offers outstanding and original reviews on a range of topics focused on liver cancer; Serves as an indispensable reference on liver cancer for researchers and students alike.