Cutting Edge Therapies for Cancer in the 21st Century

Description: Tailored cancer targeted therapy is becoming an emerging objective of today. In this book, a constructive group of cancer research experts bring the reader their shared vision, to give an extensive and realistic view of individual tumors such as breast, oral, prostate, gastric, and neuroendocrine tumors.

The study of cancer is a dynamic field both diagnostically and therapeutically and this book carefully reviews the pertinent topics. It provides a logical framework for robust learning of the on-going research and critical appraisal of recently published relevant manuscripts.

What's the purpose of this book? In the face of the large volume of cancer literature, when so many texts flood the bookstores, why offer another one? Mainly for the passion of cancer research, the motivation to learn more and share this kind of knowledge as well.

Cancer is a broad group of diseases involving unregulated cell growth with elevated death rates since more people live in old age with mass lifestyle changes occurring in the developing world. The causes of cancer are diverse, complex and still only partially understood. The chances of surviving the disease vary remarkably by the type and location of the malignancy and the extent of disease at the start of treatment. Early cancer detection is proving to be a valid approach. Cancer can be detected in a number of ways, including the presence of certain signs and symptoms, screening tests or medical imaging. Cancer therapy is dynamically changing and revision and change in patient management is constant. Cancer is routinely treated with chemotherapy, radiation therapy and surgery. Tailored cancer targeted therapy is becoming an emerging objective of today.

Here, a constructive group of cancer research experts worked together with a shared vision, to give an extensive and realistic view of individual tumors, such as breast, oral, prostate, gastric, and neuroendocrine tumors. New terms and concepts in genetics and epigenetics, diet, and anticancer delivery systems are introduced aiming to present experimental strategies and key findings that enhance our understanding of cancer. It is our hope that for undergraduates, medical students, PhDs, cancer researchers, and also cancer families this text will be concise and palatable, and even conceive a curiosity about the subjects presented that will lead to further study. Material used in this book was reviewed at various stages to improve clarity and include relevant sources.

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