



Cancer Chemoprevention

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Book Condition: New. Publisher/Verlag: Springer, Berlin | Great advances were made in the pharmacologic-based treatment of cancer in prior decades. However, despite a marked increase in our understanding ofcell and molecular mechanisms underlying the neoplastic process, therapy for advanced disease remains limited. While the reasons for this are many, it is generally accepted that advanced neoplasms contain a relatively large number of genetic and molecularalterations contributing to the maintenance of the neoplastic process. Such a situation precludes easy pharmacologic intervention. However, our ability to detect cancer at an earlier stage, coupled with our increased understanding of carcinogenesis, are propelling both basic and clinical scientists to pursue early intervention/chemopreventive approaches. This is based upon the notion that fewer molecular aberrations are presentearlyon inthedisease process. It also takes advantage of the fact that advances in both technology, and in the field ofcancer biology, coupled with a heightened vigilance, have increased our ability to detect early disease more readily. The chemopreventive approach is highly attractive for a number ofreasons. First, treatment of pre-neoplastic, or early neoplastic, lesions would prevent the significant mobility and mortality associated with advanced neoplastic disorders. | Introduction. 1. Agent Identification and Preclinical Testing; J.A. Crowell, C.J. Holmes. 2. Intermediate Biomarkers; J.W. Kosmeder, J.M. Pezzuto. 3. Tissue Microdissection and Processing;...



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