

As the study of molecular biology continues to develop, we find ourselves increasingly recognizing the biological characteristics and pathogenesis of urinary system tumors, and diagnosis and treatment concepts, methods, and techniques have seen great improvements over the years. Many scholars have come together to compile this book in order to introduce the latest development of urinary system tumors in a comprehensive and systematic manner.

This book mainly discusses three aspects: tumor biology, clinical diagnosis and treatment. It explores the latest developments in urinary system tumors to help clinicians cultivating a scientific and clinical thought process so that they can make accurate diagnoses, as well as formulate suitable treatment strategies. This book discusses topics such as genomics, epigenetics, signalling pathways, and talks about their roles in the development of urinary system tumors. It also covers the latest developments in diagnosis and treatments in this field.

The book includes multiple topics such as the regulating effects of androgen receptors and signal transduction on prostate cancer; the mechanisms of which microRNA, tumor stem cells, and DNA methylation play a role in prostate cancer. In terms of diagnosis, the book elaborates on the function of MRI and PET/CT in diagnosing prostate cancer. In terms of treatment, the book details the current development of chemoradiotherapy and proton beam therapy in prostate cancer, and the treatment of postoperative complications and post-treatment sexual dysfunction. The book also looks into the treatment methods for bladder cancer, kidney cancer, and testicular tumors.

We are very honored to work with AME Publishing Company, and by utilizing an innovative publishing method, we include the latest developments of basic medical sciences and clinical medicine in urinary system tumors and present it in a way that makes it stands out from other materials of similar topic. The book's multi-faceted approach enables clinicians to have a comprehensive and detailed understanding of urinary system tumors. We sincerely hope that readers can benefit from this book, and further their understanding of urinary system tumors, so as to ultimately improve patients' welfare.

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