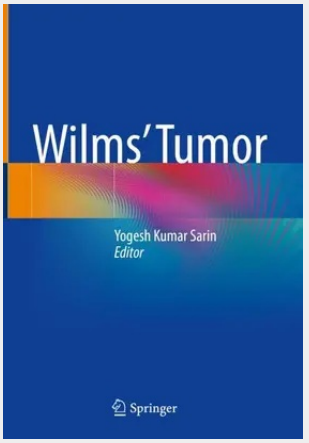
Sarin

Wilms' Tumor



This book covers all aspects of Wilms' tumor, the second most typical solid tumor in children. Its potential for complete cure underscores correct management of this tumor. To achieve this goal, the book aims to provide all necessary details for practicing Pediatric surgeons, Oncologists, Pediatricians, Urologists, and Medical students. Topics ranging from epidemiology, etiology, pathology, clinical features, diagnostic methods, surgery, chemotherapy, radiotherapy to cutting-edge inventions are described in great detail.Detailed descriptions of surgical techniques and their nuances will greatly benefit surgeons and surgical residents. Importantly, all the chapters are written by authors who have first-hand experience with clinical management. Thus the text ensures the practical application of theoretical details.

The History of Renal Tumors in Children.- Epidemiology.- Genetics and Molecular Biology.- Tumor Microenvironment and Inflammatory Markers.- Syndromic Wilms' Tumor.- Familial Non-Syndromic Wilms' Tumor.- Pathology.- Clinical Presentation.- Laboratory Workup.- Imaging Studies.- Diagnostic Biopsy.- General Surgical Guidelines.- Nephron-Sparing Surgery.- Lymph Node Sampling.- Minimally Invasive Surgery.- Bench Surgery and Auto-Transplantation.- Anesthetic concerns.- Staging.- Systemic Chemotherapy.- Radiotherapy.- Novel Tumor Directed Interventions.- Wilms' tumor in resource challenged nations.- Management of Resected Wilms' Tumor with Unknown Staging Status.- Bilateral Wilms' Tumor.- Wilms' Tumor in Horseshoe Kidney and Solitary Kidney.- Very large tumors not responding to chemotherapy/locally infiltrating tumors.- Intravascular extension and tumor thrombosis.- Ureteral Extension.- Ruptured tumors.- Metastatic Wilms' tumor.- Recurrent/ relapsed Wilms' tumor.- Wilms' Tumor in Less than 6-month-old Infants.- Wilms' tumor in adults.- Nephrogenic rests and Nephroblastomatosis.- Extrarenal Wilms' Tumor.- Complications of treatment.- Post-therapy surveillance of Wilms' tumor survivors.- Prognosis and Outcomes.- Non-Wilms' renal tumors.¿

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