Record Nr. UNINA9910300340003321 Renal Tumors of Childhood: Biology and Therapy / / edited by Kathy **Titolo** Pritchard-Jones, Jeffrey S. Dome Pubbl/distr/stampa Berlin, Heidelberg:,: Springer Berlin Heidelberg:,: Imprint: Springer, 2014 **ISBN** 3-662-44003-2 Edizione [1st ed. 2014.] Descrizione fisica 1 online resource (286 p.) Collana Pediatric Oncology, , 2191-0812 610 Disciplina 616.07 616994 618.92 Soggetti Oncology Cancer - Treatment **Pediatrics** Pathology **Cancer Therapy** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references. Epidemiology of Renal Tumours of Childhood -- Genetic Predisposition Nota di contenuto to Wilms Tumour -- Clinical Presentation -- Pathology -- Treatment of Wilms Tumor in the Children's Oncology Group -- Treatment of Wilms Tumor - The SIOP approach -- Treatment of Relapsed Wilms Tumor --Imaging -- Biological prognostic pathways -- Molecular Targeted Therapy for Pediatric Renal Tumors -- Surgical Consideration For Wilms Tumours and other Neoplastic Renal Lesions -- Radiotherapy for Wilms' Tumour and other Childhood Renal Cancers -- Late effects and QOL --Non-Wilms Pediatrci Renal Tumors -- Wilms Tumor in Low Income Countries. Sommario/riassunto This book provides a comprehensive overview of the biological basis of renal tumors in childhood and the clinical approaches to their treatment. Recent advances in our understanding of the molecular genetics of Wilms and other renal tumors are placed in their clinical

context, including the differing treatment approaches of immediate

surgery or pre-operative chemotherapy. The challenges in applying this knowledge to improve risk stratification and to incorporate biologically targeted agents into front-line therapy are discussed. In addition, the current state of thinking of the two major clinical trial groups in these diseases is presented. All of the authors are experts from Europe and North America, and the book has been written specifically as an easy reference for the practising clinician and the research scientist. It lays the basis for understanding the future direction of clinical and translational research to improve outcomes in patients with childhood renal tumors and will prove indispensable for those treating or researching into these diseases.