

Special Issue

Diagnosis and Management of Upper Tract Urothelial Carcinomas

Message from the Guest Editors

Upper urinary tract urothelial carcinoma (UTUC) is classified as low- or high-risk. Molecular characterization is increasingly important, with low-grade tumors typically associated with FGFR3 mutations and high-grade tumors showing TP53 and RB pathway alterations. The management of low-risk UTUC favors kidney-sparing approaches when feasible. For high-risk disease, radical nephroureterectomy with bladder cuff excision remains one of the standards of care. Advanced or metastatic UTUC treatment relies on systemic therapies, with platinum-based chemotherapy being a first-line treatment. Immunotherapy with checkpoint inhibitors has revolutionized treatment for platinum-refractory disease, while targeted therapies are offering new options for specific molecular subtypes. Due to high recurrence rates, rigorous surveillance protocols are essential following treatment. The prognosis for invasive UTUC remains challenging. Ongoing research is focused on developing better biomarkers for early detection, refining risk stratification models. For this Special Issue, we welcome original research and review articles related to the diagnosis and treatment of UTUC.

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