Special Issue

Advances in Urothelial Cancer

Message from the Guest Editors

Recent advances in genomics technologies have classified molecular subtypes of bladder cancer based on gene expression profiling and have examined their significance in clinical utility to inform prognosis and/or to predict therapeutic responses. The use of immune checkpoint inhibitors, particularly with antibodies directed against programmed cell death 1 protein (PD-1) or its ligand (PD-L1), has led to important advances in the treatment of metastatic urothelial cancer and been tested in the early stages of bladder cancer. However, only a small number of patients respond to checkpoint inhibitors. Therefore, attempts are being made to develop biomarkers that could help to identify urothelial cancer patients who are likely to respond to these drugs. As a type of targeted therapy, therapeutic agents such as enfortumab vedotin, an antibody-drug conjugate designed to treat Nectin-4 expressing cancer, and erdafitinib, a small molecule inhibitor of fibroblast growth factor receptor, have been accepted in clinical studies on metastatic bladder cancer.

Guest Editors

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