Renal Cell Carcinoma: From Diagnosis to Identification of Novel Therapeutic Targets and Minimally Invasive Treatments

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Message from the Guest Editors

Renal cell carcinoma (RCC) is the most frequent malignancy affecting the adult kidney and the twelfth most common cancer. The pathophysiology of RCC is complex and arises from a combination of gene mutations (i.e., VHL, PBMR1, SETD2, BAP1, etc.) in addition to other factors such as diabetes, obesity, smoking, and hypertension. In the early stages, the disease is frequently asymptomatic and incidentally diagnosed by imaging, having a good prognosis; conversely, RCC has a high mortality rate in advanced phases, due to poor responses to radiotherapy and chemotherapy. The progressive introduction of high-throughput technologies and recent studies of molecular and genomic profiling have shed new light on the pathophysiology of RCC. Moreover, in recent years, there has been a growing interest in identifying tumor markers not only for diagnostic purposes but also to improve the predictive power of clinical and pathological parameters. This Special Issue of *Diagnostics* aims to collect studies on minimally invasive treatment and translational research for the management and diagnosis of renal cell carcinoma (RCC).

This is the joint Special Issue both in *Biomedicines* and *Diagnostics*.

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Special Issue

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Message from the Editor-in-Chief

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