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Prevention and Management of Kidney Injury

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Message from the Guest Editor

Dear Colleagues,

Patients with kidney injury are still associated with high morbidity and mortality rates. Furthermore, both acute kidney injury and chronic kidney disease are associated with a risk of kidney failure. Despite the kidney having a remarkable capacity for regeneration after injury and may recover completely depending on the type of renal lesion, the options for clinical intervention are restricted to fluid management and extracorporeal kidney support. The development of novel therapies to prevent AKI, to improve renal regeneration capacity after AKI, and to preserve renal function—in both the short and long term—is urgently needed.

This Special Issue will include papers investigating the pathological mechanisms of renal inflammation and AKI, and diagnostics using new biomarkers. Furthermore, experimental in vitro and in vivo studies and clinical studies examining potential new approaches to attenuate kidney dysfunction are welcome.

Keywords:

- acute kidney injury
- chronic kidney disease
- Dialysis
- transplantation



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Special Issue