

Special Issue on  
**Acute Kidney Injury in Critically Ill Patients**

# CALL FOR PAPERS

Acute kidney injury (formerly known as acute renal failure) is a syndrome characterised by the rapid loss of the kidney's excretory function and is typically diagnosed by the accumulation of end products of nitrogen metabolism (urea and creatinine), or decreased urine output, or both. It is the clinical manifestation of several disorders that affect the kidney acutely. Acute kidney injury is common in hospital patients and very common in critically ill patients. In these patients, it is most often secondary to extrarenal events. How such events cause acute kidney injury is controversial. No specific therapies have emerged that can attenuate acute kidney injury or expedite recovery; thus, treatment is supportive. New diagnostic techniques (e.g., renal biomarkers) might help with early diagnosis. Critically ill patients are given renal replacement therapy if acute kidney injury is severe and biochemical or volume-related, or if uraemic-toxaemia-related complications are of concern. If patients survive their illness and do not have premorbid chronic kidney disease, they typically recover to dialysis independence. Critically ill patients who have had acute kidney injury are at increased risk of subsequent chronic kidney disease. The aim for our special issue is to explore the mechanism of AKI and to find some potential treatment targets of AKI.

Potential topics include but are not limited to the following:

- ▶ Detrimental cross-talk between sepsis and acute kidney injury: new pathogenic mechanisms, early biomarkers, and targeted therapies
- ▶ The pathogenesis of various types of acute kidney injury, including but not limited to transcriptome, proteome, posttranslational modification of proteins, miRNA/CeRNA/LnRNA, etc. in critically ill patients
- ▶ Clinical drug treatment of AKI, drug targets exploration, and mechanisms discovered in the intensive care unit
- ▶ Renal replacement therapy in critically ill patients

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/ccrp/akicp/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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