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Chronic Kidney Disease (CKD) Studies on Humans and Animals

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Message from the Guest Editor

The noted increase in the number of patients with chronic kidney disease (CKD) is one of the biggest health problems in the world today. CKD is a risk factor not only for requirement of renal replacement therapy, but also for worse prognosis owing to CKD-related systemic disease. Kidney damage is induced by diabetes, hypertension, etc., and CKD-specific risk factors, including uremic toxins accelerate systemic disease, such as atherosclerosis, vascular calcification, and immunological disorders.

Animal studies have shown the clear effect of uremic toxins on CKD and cardiovascular disease; however, recent clinical studies have produced controversial results on this topic. Thus, the next step is to fill the gap between basic and clinical research in CKD and its related diseases.

This Special Issue is titled 'Chronic Kidney Disease (CKD) Studies on Humans and Animals' focusing on understanding the pathophysiology of CKD and its related systemic disease. Both basic and clinical studies are welcomed, and we can discuss future tasks to prevent progression of CKD and its related systemic disease.

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Message from the Editor-in-Chief

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