



## Pathophysiology of Chronic Kidney Disease and Its Complications 2nd Edition

Guest Editor:

**Dr. Yuji Oe**

Division of Nephrology,  
Endocrinology, and Vascular  
Medicine, Tohoku University  
Graduate School of Medicine,  
Sendai, Japan

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### Message from the Guest Editor

The number of chronic kidney disease (CKD) patients is increasing worldwide. CKD is a risk for end-stage kidney disease requiring renal replacement therapy and is a leading cause of death. The pathogenesis of CKD is multifactorial, including podocyte and tubular damage, inflammation and fibrosis, oxidative stress, endothelial dysfunction and hypoxia, and is not fully understood. Therefore, exploring the underlying mechanisms of CKD will lead to the development of new therapies. Furthermore, CKD affects multi-organ systems such as cardiovascular diseases, bone abnormalities, muscle atrophy and cognitive function. These complications are closely related to the prognosis of CKD. Therefore, inter-organ crosstalk in CKD has been actively studied.

The aim of this Special Issue is to elucidate the novel pathophysiology of CKD progression and its complications. Both research papers and review articles are welcome. We hope that the papers published in our journal will make a significant contribution to patients suffering from CKD.





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### Prof. Dr. Felipe Fregni

1. Neuromodulation Center and  
Center for Clinical Research

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Massachusetts General Hospital,  
Harvard Medical School, Boston,  
MA 02114, USA

2. Department of Epidemiology,  
Harvard T.H. Chan School of  
Public Health, Boston, MA 02115,  
USA

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*Biomedicines* Editorial Office  
MDPI, St. Alban-Anlage 66  
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