Special Issue

Exploring the Link between Cardiorenal and Metabolic Diseases

Message from the Guest Editors

Metabolic diseases, like obesity and diabetes mellitus, are well-known risk factors for both cardiovascular and chronic kidney diseases. This influence takes place not only through direct factors such as hypertension, but also through indirect pro-inflammatory/pro-atherogenic effects mediated by adipokines and other hormones secreted by adipose tissue. In turn, chronic kidney disease is a systemic inflammatory syndrome that predisposes to cardiovascular disease and impacts metabolism through pathways favoring inflammation, oxidative stress, and insulin resistance. Thus, a better understanding of the link between the kidney-heart axis and metabolic alterations will spur the search for metabolic markers to identify the preclinical stages of the cardiorenal disease. This will lead to the more accurate management of the complications derived from chronic kidney disease and metabolic disorders. We seek articles exploring the biological and environmental (diet, lifestyle) risk factors for the metabolic events predisposing to cardiorenal disease, as well as the metabolic effects derived from pharmacological/non-pharmacological interventions for cardiorenal disease and vice versa.

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