

Topical Collection

Research Updates in Chronic Kidney Disease

Message from the Collection Editors

The global rise in the number of patients with chronic kidney disease (CKD) and consequent end-stage renal disease (ESRD) necessitating renal replacement therapy is threatening to reach epidemic proportions over the next decade, and only a small number of countries have robust economies able to meet the challenges posed. New epidemiologic evidence points to an even more alarming issue: the rising prevalence of mild-to-moderate renal dysfunction in the general population, especially among hypertensive, diabetic, and obese patients. This condition is about 100 times more common than ESRD, and even if it does not necessarily progress to ESRD, it contributes significantly to increasing cardiovascular risk. This Special Issue will therefore focus on several aspects of CKD, with a particular attention to the mechanisms of its development and progression, noninvasive tools that are useful in the detection of its early manifestations, and to multifactorial therapeutic strategies aimed at reducing CV and renal risk.

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