

Special Issue

Peritoneal Dialysis and Hemodialysis: Early and Late Outcomes

Message from the Guest Editors

Chronic kidney disease represents a major medical and economic burden worldwide. Challenges intensify with disease progression and culminate in end-stage kidney disease, where dialysis is associated with particularly high morbidity and mortality. Cardiovascular disease remains the leading cause of death among dialysis patients, driven by a complex interplay of traditional and dialysis-specific risk factors. Although recent advances such as hemodiafiltration and the improved management of unique chronic kidney disease complications, including mineral and bone disorders, have contributed to progress, substantial challenges persist. Vascular access failure, cardiovascular disease with or without vascular calcification, nutritional challenges, and the need to achieve dialysis adequacy while preserving quality of life remain unresolved issues. This Special Issue seeks to address these gaps by collecting original research, reviews, and expert perspectives on cardiovascular outcomes, vascular access, hemodialysis versus peritoneal dialysis, and strategies to enhance both adequacy and patient-centered quality of care.

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