

Special Issue

Recent Advances in Dialysis and Kidney Transplantation

Message from the Guest Editors

Kidney transplantation is universally considered the treatment of choice for end-stage renal disease. Concurrently, considerable improvements in the therapeutic management of chronic kidney disease-associated conditions together with optimized diabetes control and the enhanced physical conditioning of patients receiving dialysis, have led to promising results and noteworthy benefits in this class of patients. Interesting research areas such as wearable and bio-artificial kidneys, kidney-on-a-chip and xeno-transplantation will advance the quality of life of patients on dialysis and improve long-term outcomes for those transplanted. Other approaches that have been successfully adopted for many years with demonstrated important benefits have recently undergone relevant improvements, i.e., optimizing perfusate through adding peculiar substances during hypothermic machine perfusion or applying regenerative therapies in normothermic machine perfusion. Both clinical and technological evolutions will be considered with the option of including narrative reviews, meta-analysis, and case reports of particular interest or exceptional didactical value.

Guest Editors

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