

Special Issue

Peritoneal Dialysis: Procedure & Physiology, Complications, and the Future Ahead

Message from the Guest Editors

The Special Issue “Procedure & Physiology, Complications, and the Future Ahead” aims to compile an insightful collection of manuscript reviews centered around peritoneal dialysis (PD), a vital kidney replacement therapy for patients with chronic kidney disease or end-stage renal disease. This Special Issue will explore the current state of clinical practices and outcomes in PD, highlighting its role in the management of kidney disease, as well as explore future challenges and current research. Topics to be discussed will include, but not be limited to: the intricacies of the PD procedure, modality options [Continuous Ambulatory Peritoneal Dialysis (CAPD) and Automated Peritoneal Dialysis (APD)], the development of more efficient dialysate solutions, and innovative approaches to minimize the risk of infections and other complications. Additionally, this issue will address outcomes and results of PD, focusing on its efficacy in waste removal, the impact on nutritional status and the quality of life it offers to patients. We welcome you to submit your latest original articles or reviews to provide clinicians with the latest insights related to this field.

Guest Editors

Prof. Dr. Jaime Uribarri

Icahn School of Medicine at Mount Sinai, New York, NY 10029, USA

Dr. Osama El Shamy

Department of Medicine, Division of Renal Diseases and Hypertension, George Washington University, Washington, DC, USA

Deadline for manuscript submissions

closed (30 March 2025)



Kidney and Dialysis

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 2.6



mdpi.com/si/216180

Kidney and Dialysis
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
kidneydial@mdpi.com

mdpi.com/journal/

[kidneydial](https://kidneydial.mdpi.com)





Kidney and Dialysis

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 2.6



[mdpi.com/journal/
kidneydial](https://mdpi.com/journal/kidneydial)



About the Journal

Message from the Editor-in-Chief

In recent years, we have been witnessing dramatically increased interest in the treatment of chronic kidney disease, e.g., diabetic kidney disease, glomerular disease, or autosomal dominant polycystic kidney disease, but also aimed more generally on the progression of chronic kidney disease and the complications of chronic kidney disease, such as anemia, or hyperkalemia. This progress has led to changing paradigms as reflected by several recently published KDIGO guidelines which now need to be updated much more frequently than before. To personalize treatment, we also need better diagnostic methods, including validated biomarkers reflecting the activity of the disease (including response to treatment) and predicting outcomes.

Kidney and Dialysis aims to cover most of these areas not only in terms of feature reviews, but also original articles, and to keep the reader updated on recent progress in nephrology and dialysis.

Editor-in-Chief

Prof. Dr. Francesco Locatelli

Former Director, Department of Nephrology and Dialysis, Alessandro Manzoni Hospital, 23900 Lecco, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within ESCI (Web of Science), Scopus and other databases.

Journal Rank:

JCR - Q2 (Urology and Nephrology) / CiteScore - Q2 (Medicine (miscellaneous))