

Trends of Peritoneal Dialysis

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Background: Peritoneal dialysis (PD) is a safe, efficient and cost-effective renal replacement therapy for patients with end-stage renal disease (ESRD). It offers many advantages to the individual and health care system. PD is the preferred modality in prospective recipients awaiting kidney transplants. PD remains underutilized worldwide.

Objective: To evaluate the trends of PD in SMC.

Design: A Retrospective Study.

Setting: Peritoneal Dialysis Centers, Ministry of Health, Kingdom of Bahrain.

Method: All patients who underwent PD line insertion from January 2015 to January 2020 were included in this study.

Result: One hundred forty-one patients had peritoneal dialysis line insertion during the study. A significant reduction in the number of line insertion was noticed throughout the years. Eighty-two (58.16%) patients had their PD lines removed due to adequacy in 30 (21.28%) patients, and transplant in 28 (19.86%). Complications were found in 18 (12.77%) patients, mainly infection and line blockage.

Conclusion: Our results revealed significant reduction in PD line insertion throughout the years. This can be overcome with infrastructure program, training younger nephrologists in PD and adequate patient education.