

## **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.