

## KSN 2017 Abstract

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### Clinical Characteristics of Patients with Long-Term Continuous Ambulatory Peritoneal Dialysis

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**Objectives :** The penetration of peritoneal dialysis (PD) is decreasing lately as it is difficult to keep it stable for a long time due to infectious or non-infectious complications. However, PD is still an important and physiologic modality of dialysis for end-stage renal disease. Our objective is to analyze the characteristics of patients who are safely maintaining PD for long period.

**Methods :** We retrospectively investigated 78 patients who had performed PD over 10 years. We analyzed the characteristics of patients, the episodes of PD peritonitis, the change of laboratory findings between the beginning of PD and 10 years after PD, and patient survival.

**Results :** The mean duration of PD was  $152 \pm 26.6$  months. The mean age at which dialysis began was  $46 \pm 12$  years. The mean number of peritonitis episodes was 0.228 times/patient/year. The mean time from the beginning of PD to first episode of PD peritonitis was  $57 \pm 51.9$  months. Patient survival was 100% at 10 year, 63.7% at 15year, 45.2% at 20 year, and the leading cause of death was infection (16.7%), followed by cardiovascular disease (3.8%). There were no changes of level of serum albumin, TG, LDL, HDL, and CRP between basal and 10 year follow-up result. Nutritional status, inflammation markers and, chronic kidney disease-mineral bone disease were well maintained compared with overall PD population

**Conclusions :** In the long-term PD patients, the mean age at which dialysis began was younger and the mean time to occur first peritonitis was longer, compared with the previous reported studies. It means long-term PD patients had attack of PD peritonitis less and late, and maintained good nutrition status and iron, calcium and phosphorus balance for long time. We should pay more attention to maintain good nutritional status and low incidence of PD peritonitis for maintenance of long-term PD.

**Keywords :** Long term, peritoneal dialysis, characteristics