

Submission No. : DA02-0004

Session Title : Dialysis 2 (Peritoneal Dialysis)

Session Topic : Challenges and the Potentials for PD

Date & Time, Place : June 15 (Sat) / 10:20-11:40 / Room 3 (GBR 104-105)

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## **Benefits of Remote Monitoring in PD: Review of Clinical Trials**

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Peritoneal dialysis is an at-home dialysis method that helps patients lead their daily lives without interruption at work and school. However, because it requires care at home, it can be burdensome or difficult for patients to manage, and complications may arise as a result. This concern is considered a limitation adopting peritoneal dialysis as the first option. Home peritoneal management through remote monitoring has the advantage of reducing the burden on patients in dialysis management and speeding up problem solving, thereby increasing the effectiveness of peritoneal dialysis management and reducing complications. In relation to this, there have been several studies on the effects of remote monitoring until recently. Many studies have demonstrated that remote monitoring is effective to adjust the prescription of peritoneal dialysis. Recent randomized controlled study also showed that remote monitoring contributes to improving the quality of life of patients treated with peritoneal dialysis. In addition, especially at a time when there were concerns about the spread of infection through hospital visits during covid-19 pandemic period, remote monitoring was demonstrated to decrease the risk of the hospitalization rate and helped patients recover from technical problem while avoiding complications. Considering these recent studies, it is expected that changes in peritoneal home management guidelines will be proposed.

**Keywords:** peritoneal dialysis, remote monitoring, quality of life, covid-19 pandemic