

P360

P360 -PATIENTS' PERCEPTION OF AUTOMATED PERITONEAL DIALYSIS REMOTE MONITORING

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Objectives

Recent advancement of telemedicine platform enables healthcare professionals to remotely monitoring of patients' treatment outcomes on automated peritoneal dialysis. It facilitates early identification and intervention of dialysis-related issues, which have the potential to reduce healthcare associated resource and costs. However, there was limited understanding on patients' perception of remote monitoring amongst the peritoneal dialysis (PD) population. Our objective was to see how well patients understood remote monitoring and obtain their views on the same.

Methods

We conducted a telephone questionnaire survey on all patients on automated peritoneal dialysis (APD) in our renal unit on remote monitoring (HomeChoice Claria with SHARESOURCE). The survey was conducted over the telephone. It aimed to explore patients' perception of remote monitoring of APD.

Results

In total, 67 patients (40 males and 27 females) were surveyed. Their mean age was 63 (SD: 16) year-old. Of them, 46% have been on APD for <1 year, whilst 31% for 1-2 years and 23% for > 2 years. All participants agreed that it was important to monitor dialysis. When asked who they thought should be monitoring their dialysis on daily basis, 43% stated patients themselves, 37% stated kidney doctors and nurses, 9% stated patients and kidney doctors and nurses, 1% stated their general practitioners (GP), 6% stated family, 1% stated patients and family and 1% stated patients, family, GP and kidney doctors and nurses. With regard to methods of communication, 70% were willing to do so via internet or mobile application. Though all were on remote monitoring, 31% stated that they did not understand it. Despite that, 45% of this subgroup of patients did feel that their confidence improved with remote monitoring. Overall, 67% felt more confident with remote monitoring and majority of the patients (89%) stated that they would continue to monitor their PD treatment concurrently despite remote monitoring.

Conclusions

Significant proportions of patients on PD expected renal healthcare professionals' involvement in monitoring their daily dialysis treatment. However, nearly a third of the patients felt that they did not understand remote monitoring. Interestingly, awareness of having PD treatment monitored remotely by the healthcare professionals helped to boost their confidence. Further studies on the effects of remote monitoring on patient report outcome measures are clearly warranted.