

Submission No. : DA02-0003

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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## **Innovative Practices in PD - SPDC**

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Innovative Practices in PD - SPDC Background Peritoneal dialysis (PD) holds obvious advantages including operation convenience, residual kidney function (RKF) protection, low risk of contagion, and lower therapy cost compared to hemodialysis (HD), bringing a better quality of life. Challenge There are challenges ahead of PD development in China. New Practice To overcome PD challenges to benefit more ESRD patients and improve quality of life (QOL) of PD patients, we are piloting an innovative PD model called Smart Peritoneal Dialysis Center (SPDC) in China. SPDC aims to improve the quality and accessibility of PD by building a smart management platform, from hospital to home, covering the whole process of the PD patient journey. Progress From 2020 till now, more than 53 SPDC centers in China have been successfully launched under the guidance of the academic committee and Pro.xueqingYu, the pre-president of International Society for peritoneal dialysis (ISPD) . the SPDC software system has successfully assisted nurses doing long-term prognosis management for patients by Artificial Intelligence (AI) and Rehabilitation team online. SPDC continuously aims to enhance PD academic exchange and promote appropriate technology and products to the primary level areas and particularly for people living in rural cities in China, and other low and middle-income countries (LMIC) in order to improve the accessibility of PD, benefiting more ESRD patients.

**Keywords:** PD, SPDC, smart management platform, quality of life , ESRD