

SYSTEMS AND METHODS FOR CONTROLLING PERITONEAL DIALYSIS

Abstract

5 The present disclosure generally relates to a system and method (300) for controlling peritoneal dialysis, particularly tidal peritoneal dialysis (100) for a patient (110). The method (300) comprises: measuring (310) solute levels in tidal dialysate (120) discharged from the patient (110) while the patient is undergoing the tidal peritoneal dialysis (100); determining (320), based on the measured solute levels, a current
10 solute clearance from the tidal peritoneal dialysis (100); comparing (330) the current solute clearance with a target solute clearance for the patient (110); generating (340), based on the comparison, control instructions for a set of parameters of the tidal peritoneal dialysis (100); and controlling (350) the parameters based on the control instructions while the patient (110) is undergoing the tidal peritoneal dialysis (100) to
15 thereby adjust the current solute clearance towards the target solute clearance.

Figure 6A