Evaluation of chronic peritoneal dialysis using urea kinetic modelling Evaluación de la diálisis peritoneal crónica mediante el modelo de cinética de urea

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Curently, urea kinetic modeling is routinely accepted to evaluate peritoneal dialysis (PD) through the calculation of Kt/V (normalized whole body urea clearence) and nPNA (normalized protein equivalent of total nitrogen appearence). In paedriatrics, the exact meaning and target values for these parameters are still under debate. Objective: to evaluate the mean values and correlations between ureaKt/V and nutritional parameters in chronic paedriatric peritoneal dialysis. Patients and Methods: 186 nitrogen balance studies in a 6-12 month period were prospectively performed in patients on PD. Daily protein intake (DPI) was assessed by nutritional evaluation. Protein, albumin, urea and creatinine were analysed in dialysate and urine, collected once a month. Dialysis adequacy was evaluated through monthly measurements of ureaKt/V and creatinine clearence (CCr) in urine and dialysate. All statistical comparasons were done with paired t-test, and 2 way ANOVA for repeated measures was used to