

SUPPLEMENTARY MATERIAL

Association of Peridialysis Blood Pressure and Its Variability with Cardiovascular Events in Hemodialysis Patients

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Supplementary Table 1. Blood pressure variability (BPV) metrics

	SBP change/mm Hg	SBP CV/%	SBP ARV/mm Hg	SBP residual/mm Hg
Mean	-6.62	7.7	10.83	11.02
Q1	-39.35 to -13.17	3.2 to 6.4	4.18 to 9.04	3.93 to 9.14
Q2	-13.17 to -5.89	6.4 to 7.5	9.04 to 10.67	9.14 to 10.71
Q3	-5.89 to -0.43	7.5 to 8.8	10.67 to 12.55	10.71 to 12.67
Q4	-0.43 to 21.22	8.8 to 15.9	12.55 to 19.58	12.67 to 20.06

ARV, average real variability; CV, coefficient of variation; SBP, systolic blood pressure; Q, quartile

Supplementary Table 2. Unadjusted, partially adjusted, and completely adjusted hazard ratios (HRs) for cardiovascular events and all-cause deaths

		SBP change HR (95% CI)	SBP CV HR (95% CI)	SBP ARV HR (95% CI)	SBP residual HR (95% CI)
Cardiovascular events	Unadjusted	0.96 (0.80, 1.15) (p=0.646)	1.37 (1.14, 1.66) (p=0.001)	1.46 (1.20, 1.77) (p=0.000)	1.47 (1.21, 1.79) (p=0.000)
	Partially adjusted*	0.99 (0.82, 1.19) (p=0.888)	1.19 (0.98, 1.45) (p=0.074)	1.31 (1.07, 1.60) (p=0.009)	1.33 (1.09, 1.62) (p=0.005)
	Completely adjusted**	1.00 (0.82, 1.24) (p=0.972)	1.23 (0.97, 1.56) (p=0.085)	1.31 (1.04, 1.66) (p=0.024)	1.24 (0.99, 1.57) (p=0.064)
All-cause deaths	Unadjusted	0.86 (0.60, 1.22) (p=0.401)	1.52 (1.04, 2.20) (p=0.029)	1.18 (0.83, 1.67) (p=0.364)	1.04 (0.73, 1.47) (p=0.838)
	Partially adjusted*	0.83 (0.59, 1.18) (p=0.314)	1.26 (0.86, 1.85) (p=0.242)	0.94 (0.65, 1.38) (p=0.763)	0.90 (0.63, 1.26) (p=0.528)
	Completely adjusted**	0.89 (0.57, 1.37) (p=0.590)	1.13 (0.71, 1.80) (p=0.594)	0.83 (0.52, 1.34) (p=0.449)	0.67 (0.44, 1.01) (p=0.055)

*Adjusted for age, gender, and mean baseline pre-dialysis SBP.

**Adjusted for age, gender, weight, body mass index (BMI), smoking, dialysis vintage, antihypertensive therapy, vascular access, dialysis frequency, intradialytic weight gain, dialysis time, dialysis session length, dialysate calcium concentration, ultrafiltration volume, mean baseline pre-dialysis SBP, mean baseline pre-dialysis DBP, diabetes, serum albumin, hemoglobin, calcium, serum creatinine, and parathyroid hormone (PTH).