

Table 1 Baseline Characteristics of the study populations and subpopulations.

Characteristic	Training dataset (n=643)	Validation dataset (n=173)	P-value
Age at diagnosis (years), mean $\pm$ SD	57.41 $\pm$ 15.84	57.50 $\pm$ 16.21	0.421
Male	311(48.37)	84(48.55)	0.399
Body mass index (kg/m ²)	21.49 $\pm$ 3.20	21.32 $\pm$ 3.13	0.187
Smokers n (%)	76(11.82)	22(12.72)	0.451
Diabetes n (%)	202 (31.42)	66 (32.20)	0.289
Hypertension n (%)	589(91.60)	153(88.44)	0.081
Intradialytic hypotension	195(30.32)	48(27.75)	0.261
Cardiovascular disease n (%)	231(35.93)	65(37.57)	0.687
Systolic blood pressure (mmHg)	142.22 $\pm$ 21.31	141.53 $\pm$ 22.05	0.573
Diastolic blood pressure (mmHg)	85.24 $\pm$ 32.22	83.35 $\pm$ 15.71	0.311
Serum creatinine (umol/L)	802.32 $\pm$ 353.13	799.32 $\pm$ 345.89	0.282
Serum uric acid (umol/L)	442.82 $\pm$ 311.61	436.31 $\pm$ 256.66	0.581
Blood urea nitrogen(BUN)	24.04 $\pm$ 12.23	23.12 $\pm$ 11.82	0.409
Hemoglobin (g/L)	89.39 $\pm$ 22.51	88.82 $\pm$ 22.12	0.413
White blood cell count(10 ⁹ /L)	6.34 $\pm$ 3.12	6.29 $\pm$ 3.51	0.424
Serum albumin (g/L)	33.85 $\pm$ 6.80	32.99 $\pm$ 6.59	0.829
Serum calcium (mmol/L)	2.09 $\pm$ 0.51	2.07 $\pm$ 0.21	0.622
Serum phosphorus (mmol/L)	1.89 $\pm$ 0.53	1.82 $\pm$ 0.62	0.981
Serum potassium(mmol/L)	4.38 $\pm$ 0.83	4.56 $\pm$ 0.80	0.431
Triglycerides (mmol/L)	1.54 $\pm$ 1.13	1.46 $\pm$ 0.73	0.342
Total cholesterol (mmol/L)	4.36 $\pm$ 1.41	4.34 $\pm$ 1.29	0.551
Low density lipoprotein (mmol/L)	2.49 $\pm$ 1.23	2.42 $\pm$ 0.93	0.427
Hs-CRP (g/mL)	21.29 $\pm$ 34.11	21.85 $\pm$ 34.11	0.911
PTH (pg/ml)	34254 $\pm$ 310.93	339.12 $\pm$ 398.76	0.252
24hours urine output<400ml	263(40.90)	66(38.15)	0.175
Kt/V	1.23 $\pm$ 0.32	1.26 $\pm$ 0.26	0.441
RKF (ml/min/1.73m ²)	6.72 $\pm$ 4.11	6.50 $\pm$ 3.21	0.329
ACEi or ARB n (%)	212(32.97)	56(32.37)	0.539
CCB n (%)	432(67.19)	126(72.83)	0.171
The initial dialysis pathway			
(1)Use of AVF n (%)	196(30.48)	50(28.90)	0.190
(2)Use of semi-permanent dialysis catheter n (%)	88(13.69)	34(19.65)	0.120
(3)temporary dialysis catheter n (%)	359(55.83)	89(51.45)	0.253
Death n (%)	47(7.31)	12(6.93)	0.717

Abbreviations: ACEi, angiotensin-converting enzyme inhibitor; ARB, angiotensin receptor blocker; CCB, calcium channel blocker; Hs-CRP, high-sensitivity C-reactive protein; PTH, parathyroid hormone; RKF, residual kidney function; AVF, arteriovenous fistula.