

Table 1. Patient characteristics at trial randomization and RRT initiation before and after overlap weighting.

Characteristics	Crude			Overlap weights		
	CRRT (n=1590)	IHD (n=606)	SD	CRRT (n=1590)*	IHD (n=606)*	SD
Age, years	63.7 (14.3)	65.9 (13.4)	-0.16	65.5 (13.8)	65.4 (13.4)	0.00
Body weight, kg	87.6 (26.4)	87.7 (25.1)	0.00	86.8 (25.9)	87.0 (24.9)	-0.01
Female sex	508 (31.9)	189 (31.2)	-0.02	506 (31.8)	192 (31.7)	0.01
Baseline serum creatinine, mg/dl	1.3 (1.0)	1.4 (1.1)	-0.11	1.4 (1.2)	1.4 (1.1)	0.00
Baseline GFR, ml/min/1.73 m2	67.8 (30.0)	63.6 (29.9)	0.14	64.8 (30.3)	64.8 (30.0)	0.00
Pre-existing conditions						
Chronic kidney disease	667 (41.9)	295 (48.7)	-0.14	737 (46.4)	282 (46.6)	0.00
Hypertension	859 (54.0)	357 (58.9)	-0.10	912 (57.4)	348 (57.4)	0.00
Diabetes mellitus	470 (29.6)	195 (32.2)	-0.06	495 (31.1)	189 (31.2)	0.00
Heart failure	198 (12.5)	96 (15.8)	-0.10	230 (14.5)	88 (14.5)	0.00
Liver disease	200 (12.6)	63 (10.4)	0.07	176 (11.1)	68 (11.2)	0.00
Characteristics at randomization						
SOFA score	12.2 (3.5)	11.4 (3.6)	0.21	12.2 (3.3)	12.2 (3.3)	-0.01
SAPS II score	60.7 (17.2)	57.2 (16.9)	0.20	58.1 (16.7)	58.1 (17.1)	0.00
Serum creatinine, mg/dl	3.4 (1.7)	4.0 (1.7)	-0.33	3.8 (2.0)	3.8 (1.7)	0.00
Hemoglobin, g/L	99.8 (22.9)	98.6 (24.1)	0.05	99.4 (23.0)	99.3 (24.6)	0.00
Serum urea, mmol/L	20.3 (10.7)	23.4 (11.6)	-0.27	22.8 (11.8)	22.7 (11.3)	0.00
Cardiopulmonary bypass in preceding 7 days	140 (8.8)	30 (5.0)	0.15	96 (6.0)	36 (5.9)	0.00
Aortic aneurysm repair in preceding 7 days	86 (5.4)	21 (3.5)	0.09	60 (3.8)	23 (3.8)	0.00
Other vascular surgery in preceding 7 days	83 (5.2)	30 (5.0)	0.01	81 (5.1)	31 (5.1)	0.00
Trauma in preceding 7 days	63 (4.0)	24 (4.0)	0.00	59 (3.7)	23 (3.8)	0.00
Sepsis in the last 72 hours	922 (58.0)	374 (61.7)	-0.08	954 (60.0)	364 (60.1)	0.00
Mechanical ventilation	1275 (80.2)	447 (73.8)	0.15	1187 (74.7)	452 (74.6)	0.00
Vasoactive medication	1224 (77.0)	347 (57.3)	0.43	1013 (63.7)	386 (63.7)	0.00
Cumulative fluid balance at randomization, mL	4054.5 (5766.0)	4811.2 (6535.3)	-0.11	4441.8 (7085.3)	4446.8 (6063.1)	0.00
Characteristics at RRT initiation						
Time from ICU admission to RRT initiation, hours	96.0 (289.9)	111.5 (170.7)	-0.07	108.6 (342.6)	106.8 (179.6)	0.01
Days from hospital admission to RRT initiation	8.9 (16.3)	9.7 (13.5)	-0.06	9.7 (18.9)	9.6 (14.1)	0.00
SOFA score components						
- Respiratory	2.2 (1.1)	1.9 (1.1)	0.26	2.5 (1.2)	2.5 (1.2)	-0.01
- Coagulation	1.1 (1.1)	0.9 (1.1)	0.11	1.1 (1.3)	1.1 (1.3)	0.00

Table 2. The association between initial RRT modality and primary and secondary outcomes

	Number of patients available for analysis				OR or MD Overlap weighting (95% CI)	p-value
	CRRT	IHD	CRRT	IHD		
Primary Outcome						
Death or RRT dependence at 90-days, n (%)	1590	606	823 (51.8)	329 (54.3)	0.81 (0.66 to 0.99)	0.044
Secondary Outcomes						
All-cause mortality at 90 days, n (%)	1590	606	752 (47.3)	279 (46.0)	0.90 (0.74 to 1.11)	--
RRT dependence at 90 days (survivors only), (n (%))	838	327	71 (8.4)	50 (15.2)	0.61 (0.39 to 0.94)	--
ICU length of stay, days	1590	606	12 (5 to 36)	17 (7 to 165)	-16.8 (-34.3 to 0.7)	--
Hospital length of stay, days	1590	606	27 (10 to 81)	40 (15 to 166)	-14.8 (-32.0 to 2.5)	--
ICU-free days at 28 days, median (IQR)	1590	606	0 (0 to 17)	0 (0 to 17)	2.0 (1.0 to 3.0)	--
Hospital-free days at 90 days, median (IQR)	1590	606	0 (0 to 56)	0 (0 to 41)	6.6 (3.1 to 10.0)	--
Ventilator-free days at 28 days, median (IQR)	1590	606	15 (0 to 23)	17 (0 to 25)	0.4 (-0.8 to 1.6)	--
Vasoactive-free days at Day 28, median (IQR)	1590	606	20 (0 to 25)	24 (0 to 27)	-0.7 (-1.9 to 0.5)	--

RRT, renal replacement therapy ;CRRT, continuous renal replacement therapy; IHD, intermittent hemodialysis; ICU, intensive care unit; OR, odds ratio; MD, mean difference