Frailty, age, and post-dialysis recovery time in an incident hemodialysis population

SUPPLEMENTAL MATERIAL

Table S1. Extended PACE participant characteristics

Variables	N	Overall	Post-dialysis recovery time < 20 min (N=147)	Post-dialysis recovery time ≥ 20 min (N=138)
		Mean (±SD), median (IQR), frequency (%)		
Frailty				
Non frail	285	58 (20)	29 (20)	29 (21)
Intermediately frail		83 (29)	43 (29)	40 (29)
Frail		144 (51)	75 (51)	69 (50)
Frailty components				
Shrinkage	271	143 (53)	71 (51)	72 (54)
Exhaustion	282	102 (36)	49 (34)	53 (39)
Weakness	278	134 (48)	70 (49)	64 (47)
Low physical activity	285	156 (55)	80 (54)	76 (55)
Slowed gait speed	273	179 (66)	92 (65)	87 (66)
Laboratory measurements				
Serum Albumin, g/dL	282	3.6 ± 0.4	3.7 ± 0.4	3.6 ± 0.5
Hemoglobin, g/dL	282	10.8 ± 1.2	10.8 ± 1.3	10.9 ± 1.2
Serum creatinine, mg/dL	265	7.2 ± 2.5	7.1 ± 2.3	7.2 ± 2.6
Single pool Kt/V	260	1.5 ± 0.3	1.5 ± 0.3	1.5 ± 0.3

[a] Blood pressures were obtained by averaging 3 consecutive measurements with participants in a seated position on a non-dialysis day

Table S2. Associations of baseline age and frailty components with post-dialysis recovery time among adults initiating hemodialysis

Model	Unadjusted Associations		Adjusted Associations	
	IRR (95% CI)	P-value	IRR (95% CI)	P-value
Frailty components[a]				
Shrinkage, yes vs. no	0.90 (0.61, 1.31)	0.6	1.25 (0.84, 1.87)	0.3
Exhaustion, yes vs. no	1.09 (0.73, 1.62)	0.7	1.09 (0.71, 1.69)	0.7
Weakness, yes vs. no	0.69 (0.47, 1.01)	0.06	0.85 (0.53, 1.36)	0.5
Low physical activity, yes vs. no	1.28 (0.87, 1.86)	0.2	1.12 (0.74, 1.68)	0.6
Slowed gait speed, yes vs. no	0.75 (0.50, 1.12)	0.2	0.82 (0.54, 1.24)	0.3

[a] Associations of frailty components and recovery time were elevated separately in models adjusted for sex, race, smoking status, diabetes mellitus, coronary artery disease, congestive heart failure, and mean inter dialytic weight gain

Table S3. Baseline PACE participant characteristics among those with and without outcome ascertainment

Variables	Complete Data (N=285)	No Outcome Data (N=74)	P-value
	Mean (±SD), median (IQR), frequency (%)		
Demographic and clinical factors			
Age, years	55.0 ± 13.2	54.8 ± 12.7	0.9
Female sex	123 (43)	28 (38)	0.5
African American	207 (73)	53 (72)	0.9
Body mass index (kg/m^2)	29.5 ± 7.9	29.3 ± 8.0	0.9
Ever smoker	164 (56)	52 (70)	0.06
Diabetes	161 (57)	44 (60)	0.7
History of coronary artery disease	98 (34)	32 (43)	0.2
History of congestive heart failure	114 (40)	34 (46)	0.4
History of cerebrovascular disease	60 (21)	17 (23)	0.8
Systolic blood pressure, mmHg [a]	136 ± 26	138 ±24	0.7
Diastolic blood pressure, mmHg [a]	74 ± 14	76 ± 15	0.5
Frail	144 (51)	43 (58)	0.3

[a] Blood pressures were obtained by averaging 3 consecutive measurements with participants in a seated position on a non-dialysis day