SUPPLEMENTAL TABLES

Contents

Supplemental Table 1. Symptom Questions Supplemental Table 2. Baseline Characteristics of Symptom Survey Responders and Nonresponders in CHOICE Supplemental Table 3. Baseline Characteristics of Symptom Survey Responders and Nonresponders in LUCID Supplemental Table 4. Prevalence of Uremic Symptoms across HD/PD in CHOICE Supplemental Table 5. The Spearman correlation between individual symptoms in LUCID Supplemental Table 6. Baseline Characteristics of Individuals Alive or Not Alive at 1-Year Follow-up in CHOICE Supplemental Table 7. Association of Uremic Symptom Score with Outcomes in the CHOICE Study

Supplemental Table 1. Symptom Questions						
Symptom	CHOICE	LUCID				
Anorexia	Loss of appetite	Lack of appetite				
Nausea	Nausea or vomiting	Nausea or upset stomach				
Pruritus	Dry or itchy skin	Itchy Skin				
Excessive Daytime Sleep	Enough sleep during night Did you have difficulty doing	Sleepiness during the day Difficulty doing activities				
Difficulty Concentrating	activities involving thinking and concentration	involving concentrating and thinking				
Fatigue	Did you feel worn out	Being washed out or drained				
Pain	Bodily pain	Bodily pain				

Characteristic	Responders	Non- responders	Р	
Sample size	926	115		
Demographics				
Age, y	58 ± 15	57 ± 16	0.58	
Male sex	491 (53%)	73 (64%)	0.03	
Black race	257 (28%)	38 (33%)	0.24	
Clinical Characteristics				
Diabetes	498 (54%)	63 (55%)	0.86	
ICED score	1.9 ± 0.8	1.9 ± 0.9	0.93	
Residual kidney function	749 (81%)	45 (39%)	0.43	
BMI, kg/m ²	27.1 ± 6.7	26.9 ± 7.1	0.69	
Dialysis Characteristics				
Dialysis modality, hemodialysis	697 (75%)	70 (61%)	<0.001	
Cause of ESKD, diabetes	423 (46%)	58 (50%)	0.43	
Predialysis Laboratory Tests				
Blood urea nitrogen, mg/dL	56.9 ± 16.3	55.5 ± 16.2	0.47	
Kt/V _{UREA}	1.3 ± 0.4	1.4 ± 0.5	0.16	
Albumin, g/dL	3.6 ± 0.4	3.6 ± 0.4	0.48	
Creatinine, mg/dL	7.3 ± 2.5	7.2 ± 2.6	0.70	
Calcium, mg/dL	9.1 ± 0.7	8.8 ± 0.7	0.001	
Phosphate, mg/dL	5.2 ± 1.3	5.2 ± 1.3	0.87	
Potassium, mEq/L	4.5 ± 0.6	4.4 ± 0.6	0.08	
Glucose, mg/dL	167 ± 86	175 ± 99	0.37	
Cholesterol, mg/dL	190 ± 48	189 ± 49	0.76	

Values for categorical variables are given as count (percentage); values for continuous variables as mean

Abbreviations: ICED, Index of Coexistent Disease; BMI, Body Mass Index; ESKD, End Stage Kidney Disease.

Chi-square tests for categorical variables and t-tests for continuous variables were used

Characteristic	Responders	Non- responders	Р	
Sample size	428	390		
Demographics				
Age, y	60 ± 15	62 ± 15	0.55	
Male sex	258 (60%)	241 (62%)	0.65	
Black race	137 (32%)	72 (19%)	<0.001	
Clinical Characteristics				
Diabetes	231 (54%)	227 (58%)	0.22	
Residual kidney function	379 (89%)	334 (86%)	0.21	
BMI, kg/m ²	28.9 ± 7.7	29.7 ± 9.6	0.19	
Dialysis Characteristics				
Dialysis modality, hemodialysis	413 (97%)	379 (97%)	0.58	
Cause of ESKD, diabetes	155 (36%)	139 (36%)	0.86	

Values for categorical variables are given as count (percentage); values for continuous variables as mean

Abbreviations: BMI, Body Mass Index; ESKD, End Stage Kidney Disease.

Chi-square tests for categorical variables and t-tests for continuous variables were used

Supplemental Table 4. Prevalence of Uremic Symptoms across HD/PD in CHOICE						
	HD (N = 697)	PD (N = 229)				
Symptom	N (%)	N (%)	Р			
Fatigue	90%	88%	0.24			
Anorexia	42%	51%	0.04			
Pruritus	72%	72%	0.99			
Sleepiness	85%	89%	0.36			
Nausea/Vomiting	38%	31%	0.047			
Difficulty Concentrating	54%	57%	0.59			
Pain	81%	84%	0.47			

Supplemental Table 5. The	Supplemental Table 5. The Spearman correlation between individual symptoms in LUCID								
	Fatigue	Anorexia	Pruritus	Sleepiness	Nausea/Vomiting	Difficulty concentrating	Pain		
Fatigue	1								
Anorexia	0.30 <0.001	1							
Pruritus	0.28 <0.001	0.11 0.02	1						
Sleepiness	0.31 <0.001	0.07 0.13	0.20 <0.001	1					
Nausea/Vomiting	0.35 <0.001	0.45 <0.001	0.24 <0.001	0.12 0.02	1				
Difficulty concentrating	0.31 <0.001	0.22 <0.001	0.25 <0.001	0.22 <0.001	0.23 <0.001	1			
Pain	0.35 <0.001	0.23 <0.001	0.24 <0.001	0.19 <0.001	0.29 <0.001	0.27 <0.001	1		

Supplemental Table 6. Baseline Chara	cteristics of Individ	uals Alive or Not A	live at 1-
Year Follow-up in CHOICE			_
Characteristic	Alive	Not Alive	Р
Sample size	585	341	
Demographics			
Age, y	58.3 ± 14.0	57.4 ± 16.2	0.40
Male sex	301 (52%5)	190 (56%)	0.21
Black race	171 (29%)	86 (25%)	0.19
Clinical Characteristics			
Diabetes	315 (54%)	183 (54%)	0.97
ICED score	1.9 ± 0.8	2.0 ± 0.8	0.10
Residual kidney function	481 (82%)	268 (79%)	0.16
BMI, kg/m ²	27.5 ± 6.5	26.5 ± 6.9	0.04
Dialysis Characteristics			
Dialysis modality, hemodialysis	452 (77%)	245 (72%)	0.07
Cause of ESKD, diabetes	275 (47%)́	148 (43%)	0.38
Predialysis Laboratory Tests			
Blood urea nitrogen, mg/dL	56.7 ± 15.3	57.2 ± 18.0	0.75
Kt/V _{UREA}	1.3 ± 0.4	1.4 ± 0.4	0.63
Albumin, g/dL	3.6 ± 0.4	3.6 ± 0.4	0.08
Creatinine, mg/dL	7.3 ± 2.3	7.3 ± 2.8	0.83
Calcium, mg/dL	9.1 ± 0.7	9.1 ± 0.7	0.50
Phosphate, mg/dL	5.2 ± 1.2	5.3 ± 1.5	0.12
Potassium, mEq/L	4.5 ± 0.6	4.5 ± 0.7	0.78
Glucose, mg/dL	166 ± 83	168 ± 91	0.74
Cholesterol, mg/dL	192 ± 48	188 ± 49	0.37

Values for categorical variables are given as count (percentage); values for continuous variables, as mean

Abbreviations: ICED, Index of Coexistent Disease; BMI, Body Mass Index; ESKD, End Stage Kidney Disease.

Chi-square tests for categorical variables and t-tests for continuous variables were used

••							IR Per	Model 1 Unadjusted		Model 2 Age, sex, race		Model 3 All	
	Ν	Events	1000 PY	HR (95% CI)	Ρ	HR (95% CI)	P	HR (95% CI)	Ρ				
Any-Cause Death	926	580	173	1.00 (0.95-1.04)	0.95	1.05 (1.01-1.10)	0.02	1.05 (1.01-1.10)	0.01				
Cardiac Death	924	282	84	0.99 (0.94-1.05)	0.82	1.06 (1.00-1.11)	0.04	1.06 (0.99-1.12)	0.08				
First Cardiovascular Event	926	516	204	0.99 (0.95-1.04)	0.73	1.06 (1.00-1.11)	0.03	1.05 (1.00-1.10)	0.04				

Abbreviation: HR, Hazard Ratio; CI, Confidence Interval; IR, Incidence Rate; PY, Person Years.

HR represents increase in risk per 10-score decrease (worsening symptoms) in baseline uremic symptom score.

Model 1 was unadjusted.

Model 2 was adjusted for age, sex, and race.

Model 3 was adjusted for variables in Model 2 + Index of Coexisting Disease (ICED) severity score, cause of end-stage renal disease, body mass index (categorized as <18, 18 to 25 and >25 kg/m2), residual kidney function (self-reported urine volume > 250 ml), diabetes, dialysis modality, and predialysis labs (albumin, urea, Kt/Vurea, creatinine, calcium, phosphate, potassium, glucose, and cholesterol).