

Supplementary Table 7. The characteristics and levels change over time for predictors for creatinine

Variable	Group 1				Group 2				Group 3				Group 4								
	A	B	C	D	P-value	A	B	C	D	P-value	A	B	C	D	P-value	A	B	C	D	P-value	
No. of patients	206 (21.2)	439 (45.2)	239 (24.6)	87 (9.0)		268 (38.3)	235 (33.6)	122 (17.4)	75 (10.7)		206 (39.8)	189 (36.5)	81 (15.6)	42 (8.1)		160 (44.2)	118 (32.6)	28 (7.7)	56 (15.5)		
Demographics																					
Mortality	30 (14.6)	71 (16.2)	85 (35.6)	51 (58.6)	<0.001	38 (14.2)	38 (16.2)	44 (36.1)	50 (66.7)	<0.001	18 (8.7)	25 (13.2)	37 (45.7)	20 (47.6)	<0.001	8 (5.0)	14 (11.9)	9 (32.1)	20 (35.7)	<0.001	
Age (yr)	52 (44-61)	49 (40-58)	53 (42-62)	59 (46-71)	<0.001	50 (42-60)	50 (41-60)	56 (42-64)	52 (44-62)	0.039	49 (41-61)	53 (44-62)	54 (47-65)	52 (44-61)	0.072	49 (40-61)	56 (48-66)	49 (44-61)	56 (51-66)	0.001	
Sex																					
Male	89 (43.2)	396 (90.2)	223 (93.3)	74 (85.1)	<0.001	249 (92.9)	124 (52.8)	114 (93.4)	63 (84.0)	<0.001	133 (64.6)	171 (90.5)	70 (86.4)	38 (90.5)	<0.001	105 (65.6)	102 (86.4)	26 (92.9)	50 (89.3)	<0.001	
Female	117 (56.8)	43 (9.8)	16 (6.7)	13 (14.9)		19 (7.1)	111 (47.2)	8 (6.6)	12 (16.0)		73 (35.4)	18 (9.5)	11 (13.6)	4 (9.5)		55 (34.4)	16 (13.6)	2 (7.1)	6 (10.7)		
TBSA	25 (14-40)	35 (24-52)	38 (25-62)	33 (20-60)	<0.001	40 (25-52)	33 (21-46)	40 (28-62)	43 (29-62)	<0.001	34 (21-45)	40 (25-55)	45 (30-61)	46 (28-61)	<0.001	36 (23-49)	38 (25-54)	48 (28-60)	44 (27-60)	0.119	
Inhalation	90 (43.7)	178 (40.5)	96 (40.2)	43 (49.4)	0.404	106 (39.6)	100 (42.6)	47 (38.5)	34 (45.3)	0.715	87 (42.2)	81 (42.9)	35 (43.2)	22 (52.4)	0.678	68 (42.5)	50 (42.4)	13 (46.4)	27 (48.2)	0.867	
LOICU	20 (12-34)	20 (11-32)	25 (13-37)	18 (10-36)	0.053	27 (20-40)	28 (21-41)	28 (19-42)	25 (15-36)	0.159	34 (25-45)	33 (26-47)	33 (23-51)	36 (27-48)	0.571	40 (33-52)	39 (32-58)	44 (37-68)	42 (33-60)	0.345	
Creatinine value																					
Mortality	30 (14.6)	71 (16.2)	85 (35.6)	51 (58.6)	<0.001	38 (14.2)	38 (16.2)	44 (36.1)	50 (66.7)	<0.001	18 (8.7)	25 (13.2)	37 (45.7)	20 (47.6)	<0.001	8 (5.0)	14 (11.9)	9 (32.1)	20 (35.7)	<0.001	
Day 1	0.59 (0.50-0.69)	0.80 (0.71-0.91)	1.08 (0.97-1.23)	1.87 (1.19-2.50)	<0.001	0.62 (0.56-0.70)	0.42 (0.35-0.49)	0.83 (0.69-1.00)	1.32 (0.88-1.91)	<0.001	0.42 (0.34-0.49)	0.61 (0.54-0.70)	0.86 (0.66-1.10)	1.90 (1.51-2.42)	<0.001	0.38 (0.28-0.47)	0.64 (0.52-0.75)	1.91 (1.43-2.48)	1.17 (0.92-1.33)	<0.001	
Day 2	0.55 (0.49-0.63)	0.80 (0.70-0.92)	1.07 (0.92-1.30)	2.02 (1.34-2.50)	<0.001	0.62 (0.56-0.70)	0.41 (0.34-0.48)	0.84 (0.75-1.00)	1.61 (1.07-2.34)	<0.001	0.41 (0.33-0.48)	0.62 (0.55-0.71)	0.96 (0.73-1.11)	2.02 (1.60-2.43)	<0.001	0.38 (0.31-0.45)	0.65 (0.52-0.74)	1.96 (1.78-2.49)	1.13 (0.94-1.29)	<0.001	
Day 3	0.48 (0.42-0.56)	0.72 (0.65-0.82)	0.95 (0.81-1.16)	2.02 (1.46-2.50)	<0.001	0.63 (0.56-0.70)	0.42 (0.34-0.49)	0.87 (0.75-1.01)	1.78 (1.15-2.38)	<0.001	0.40 (0.31-0.46)	0.60 (0.54-0.70)	0.94 (0.79-1.08)	1.84 (1.56-2.47)	<0.001	0.38 (0.29-0.44)	0.61 (0.53-0.72)	1.97 (1.80-2.47)	1.13 (0.95-1.35)	<0.001	
Day 4	0.43 (0.37-0.49)	0.63 (0.56-0.71)	0.80 (0.69-0.92)	1.71 (1.22-2.50)	<0.001	0.60 (0.55-0.68)	0.40 (0.34-0.46)	0.85 (0.77-1.00)	1.69 (1.30-2.21)	<0.001	0.38 (0.31-0.45)	0.60 (0.53-0.71)	0.98 (0.77-1.11)	1.85 (1.67-2.50)	<0.001	0.37 (0.29-0.44)	0.64 (0.55-0.75)	2.04 (1.73-2.50)	1.18 (1.02-1.36)	<0.001	
Day 5	0.40 (0.33-0.48)	0.60 (0.52-0.69)	0.74 (0.61-0.91)	1.55 (1.04-2.22)	<0.001	0.60 (0.54-0.66)	0.40 (0.33-0.47)	0.83 (0.76-1.00)	1.80 (1.40-2.30)	<0.001	0.38 (0.30-0.43)	0.60 (0.53-0.68)	0.98 (0.80-1.17)	1.86 (1.61-2.41)	<0.001	0.36 (0.28-0.43)	0.65 (0.56-0.76)	2.15 (1.71-2.50)	1.19 (0.99-1.40)	<0.001	
Day 6	0.40 (0.33-0.47)	0.60 (0.50-0.68)	0.75 (0.61-0.90)	1.70 (1.01-2.20)	<0.001	0.60 (0.52-0.68)	0.39 (0.33-0.45)	0.86 (0.77-1.04)	1.88 (1.42-2.19)	<0.001	0.38 (0.30-0.44)	0.60 (0.53-0.67)	1.02 (0.87-1.19)	2.03 (1.53-2.50)	<0.001	0.35 (0.28-0.42)	0.65 (0.55-0.77)	1.92 (1.59-2.50)	1.14 (0.92-1.36)	<0.001	
Day 7	0.41 (0.34-0.48)	0.59 (0.51-0.69)	0.79 (0.64-0.99)	1.71 (1.19-2.30)	<0.001	0.58 (0.50-0.65)	0.39 (0.32-0.47)	0.90 (0.77-1.08)	1.94 (1.38-2.27)	<0.001	0.36 (0.30-0.44)	0.60 (0.51-0.68)	1.03 (0.86-1.31)	1.84 (1.42-2.50)	<0.001	0.33 (0.27-0.42)	0.65 (0.53-0.77)	1.90 (1.41-2.39)	1.19 (0.96-1.37)	<0.001	
Mean of overall median creatinine value	0.46 (0.37-0.55)	0.68 (0.58-0.79)	0.89 (0.71-1.10)	1.78 (1.22-2.50)	<0.001	0.60 (0.54-0.68)	0.40 (0.34-0.47)	0.85 (0.75-1.01)	1.74 (1.25-2.27)	<0.001	0.40 (0.31-0.46)	0.60 (0.53-0.70)	0.98 (0.79-1.14)	1.89 (1.55-2.50)	<0.001	0.37 (0.29-0.44)	0.64 (0.54-0.75)	1.93 (1.62-2.50)	1.15 (0.96-1.35)	<0.001	

Values are presented as number (%) or median (interquartile range). TBSA, total body surface area burned %; LOICU, length of stay in intensive care unit.