

Supplementary Table 9. The characteristics and levels change over time for predictors for lactate

Variable	Group 1				Group 2				Group 3				Group 4				
	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	P-value
No. of patients	160 (16.5)	334 (34.5)	219 (22.6)	254 (26.3)	144 (23.3)	191 (30.9)	210 (34.0)	73 (11.8)	118 (24.6)	140 (29.2)	156 (32.6)	65 (13.6)	77 (24.0)	91 (28.3)	111 (34.6)	42 (13.1)	
Demographics																	
Mortality	6 (3.8)	53 (15.9)	79 (36.1)	99 (39.0)	20 (13.9)	47 (24.6)	55 (26.2)	33 (45.2)	15 (12.7)	22 (15.7)	37 (23.7)	21 (32.3)	4 (5.2)	10 (11.0)	20 (18.0)	17 (40.5)	<0.001
Age (yr)	53 (43-63)	52 (42-61)	49 (41-60)	52 (42-60)	52 (44-63)	49 (41-58)	54 (45-65)	49 (41-60)	56 (44-68)	54 (46-63)	51 (43-59)	46 (36-58)	56 (46-63)	58 (46-72)	52 (44-60)	50 (41-55)	0.002
Sex																	0.780
Male	126 (78.8)	275 (82.3)	172 (78.5)	208 (81.9)	116 (80.6)	153 (80.1)	157 (74.8)	55 (75.3)	93 (78.8)	117 (83.6)	120 (76.9)	51 (78.5)	58 (75.3)	69 (75.8)	89 (80.2)	34 (81.0)	
Female	34 (21.2)	59 (17.7)	47 (21.5)	46 (18.1)	28 (19.4)	38 (19.9)	53 (25.2)	18 (24.7)	25 (21.2)	23 (16.4)	36 (23.1)	14 (21.5)	19 (24.7)	22 (24.2)	22 (19.8)	8 (19.0)	
TBSA	22 (12-33)	32 (21-43)	41 (28-63)	40 (25-61)	28 (17-40)	45 (32-62)	36 (23-50)	50 (33-65)	27 (18-40)	38 (26-48)	40 (30-60)	52 (37-65)	27 (15-41)	33 (24-46)	45 (30-60)	60 (46-70)	<0.001
Inhalation	49 (30.6)	109 (32.6)	108 (49.3)	140 (55.1)	39 (27.1)	99 (51.8)	81 (38.6)	32 (43.8)	39 (33.1)	60 (42.9)	80 (51.3)	27 (41.5)	26 (33.8)	34 (37.4)	61 (55.0)	19 (45.2)	0.016
LOICU	13 (9-23)	23 (13-34)	23 (11-37)	24 (14-42)	26 (19-36)	30 (22-44)	29 (20-44)	22 (15-41)	31 (24-42)	34 (26-50)	35 (26-49)	33 (25-49)	37 (31-49)	40 (33-58)	42 (34-60)	46 (32-69)	0.332
Lactate value																	
Mortality	6 (3.8)	53 (15.9)	79 (36.1)	99 (39.0)	20 (13.9)	47 (24.6)	55 (26.2)	33 (45.2)	15 (12.7)	22 (15.7)	37 (23.7)	21 (32.3)	4 (5.2)	10 (11.0)	20 (18.0)	17 (40.5)	<0.001
Day 1	1.70 (1.20-2.10)	3.00 (2.60-3.60)	4.60 (4.00-5.40)	7.00 (6.20-7.00)	1.04 (0.80-1.30)	2.68 (2.20-3.08)	1.60 (1.20-1.90)	2.80 (1.95-3.58)	1.10 (0.89-1.39)	1.80 (1.35-2.10)	2.41 (2.10-3.20)	2.60 (2.00-3.50)	1.04 (0.90-1.30)	1.80 (1.40-2.10)	2.57 (2.04-3.00)	2.85 (2.30-4.40)	<0.001
Day 2	1.80 (1.30-2.30)	3.00 (2.30-3.79)	4.20 (3.30-5.35)	4.80 (3.40-5.80)	1.00 (0.80-1.29)	2.68 (2.27-3.15)	1.70 (1.30-2.01)	2.90 (2.20-3.92)	1.11 (0.90-1.37)	1.67 (1.40-1.90)	2.40 (2.00-2.93)	2.70 (1.90-3.67)	1.10 (0.90-1.28)	1.62 (1.40-1.97)	2.38 (1.90-2.80)	3.20 (2.36-3.88)	<0.001
Day 3	1.40 (0.91-1.80)	1.90 (1.40-2.50)	2.98 (2.33-3.60)	2.60 (1.80-3.60)	1.10 (0.90-1.30)	2.62 (2.20-2.92)	1.80 (1.34-2.10)	3.20 (2.00-4.00)	1.01 (0.90-1.40)	1.79 (1.30-2.04)	2.48 (2.20-3.00)	3.00 (2.20-3.75)	1.10 (0.84-1.32)	1.71 (1.50-2.00)	2.34 (2.00-2.82)	3.40 (2.53-4.17)	<0.001
Day 4	1.27 (0.90-1.80)	1.60 (1.24-2.17)	2.40 (1.90-3.10)	1.93 (1.20-2.67)	1.02 (0.86-1.30)	2.60 (2.23-3.00)	1.70 (1.40-2.11)	3.49 (2.00-4.20)	1.10 (0.90-1.40)	2.60 (1.48-2.20)	2.50 (2.20-2.92)	3.00 (2.30-3.80)	1.00 (0.89-1.34)	1.70 (1.40-2.00)	2.41 (2.20-2.85)	3.50 (2.73-4.38)	<0.001
Day 5	1.25 (0.90-1.76)	1.45 (1.10-2.00)	2.20 (1.60-2.90)	1.70 (1.08-2.36)	1.00 (0.81-1.30)	2.50 (2.10-2.90)	1.70 (1.30-2.10)	3.48 (2.20-4.01)	1.10 (0.90-1.38)	1.85 (1.40-2.10)	2.42 (2.09-2.80)	3.30 (2.50-4.21)	0.99 (0.86-1.20)	1.60 (1.33-1.90)	2.30 (2.02-2.75)	3.66 (2.68-4.88)	<0.001
Day 6	1.31 (0.97-2.19)	1.50 (1.10-2.30)	2.10 (1.70-3.45)	1.60 (0.90-2.30)	1.10 (0.80-1.30)	2.50 (2.00-2.88)	1.80 (1.20-2.10)	3.70 (3.00-4.60)	1.20 (0.90-1.50)	1.90 (1.30-2.04)	2.47 (2.01-2.90)	3.40 (2.40-4.30)	1.10 (0.80-1.30)	1.67 (1.25-1.82)	2.40 (2.00-2.94)	3.90 (2.50-5.00)	<0.001
Mean of overall median lactate value	1.40 (1.00-2.00)	1.90 (1.30-2.80)	2.90 (2.00-4.15)	2.36 (1.40-4.29)	1.03 (0.83-1.30)	2.57 (2.10-3.00)	1.70 (1.30-2.10)	3.40 (2.20-4.16)	1.10 (0.90-1.43)	1.80 (1.40-2.10)	2.44 (2.10-2.98)	3.05 (2.20-3.90)	1.00 (0.88-1.30)	1.69 (1.40-1.97)	2.40 (2.00-2.90)	3.50 (2.50-4.80)	<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.