

Time-related association between fluid balance and mortality in sepsis patients:

Interaction between fluid balance and haemodynamics

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Table S1 Adjusted odds ratio of death using fluid balance within the first 24 hours as design variables in logistic models

Variables	Odds ratio (95% CI)	p	Odds ratio (95% CI)	p
Model 1	Without Vasopressor-use (n = 6071)		Vasopressor-use (n = 2513)	
FB Q1	1	-	1	-
FB Q2	1.05 (0.87 – 1.27)	0.567	0.92 (0.69 – 1.22)	0.564
FB Q3	1.24 (1.03 – 1.50)	0.022	1.15 (0.87 – 1.52)	0.302
FB Q4	1.32 (1.09 – 1.59)	0.003	1.69 (1.29 – 2.22)	< 0.001
SOFA on ICU admission	1.14 (1.11 – 1.17)	< 0.001	1.13 (1.09 – 1.17)	< 0.001
Urinary infection	0.72 (0.62 – 0.83)	< 0.001	0.61 (0.49 – 0.76)	< 0.001
Respiratory infection	1.54 (1.33 – 1.77)	< 0.001	1.46 (1.20 – 1.78)	< 0.001
Haemodialysis	1.26 (0.98 – 1.62)	0.066	0.84 (0.60 – 1.17)	< 0.001
Maximum serum creatinine	1.05 (1.01 – 1.09)	0.005	1.11 (1.05 – 1.17)	< 0.001
Serum sodium on ICU admission (< 135 mmol/L)	1.31 (1.12 – 1.54)	< 0.001	1.52 (1.22 – 1.90)	< 0.001
Platelet count on ICU admission (< 150 * 10⁹/L)	1.18 (1.02 – 1.37)	0.025	1.04 (0.83 – 1.29)	0.706
Serum calcium on ICU admission (< 8 mg/dl)	0.84 (0.73 – 0.96)	0.011	1.04 (0.84 – 1.27)	0.698

Abbreviations: CI, confidence interval; FB-48hr, fluid balance within the 48 hours after ICU admission; FB-fir24hr, fluid balance within the first 24 hours after ICU admission; ICU, intensive care unit; FB-sec24hr fluid balance within the second 24 hours (25 to 48 hours) after ICU admission; SOFA, sequential organ failure assessment.