

Associations of the serum total carbonic dioxide level with long-term clinical outcomes in sepsis survivors

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Table S1. Propensity score model results of probability of diagnosis of sepsis survivors with high and low TCO₂

Parameter	Estimate	Odds Ratios	95% CI		p value
			Lower	Upper	
Age	-0.0067	0.9933	0.9892	0.9975	0.002
Female sex	0.0443	1.0453	0.925	1.1811	0.478
eGFR	-0.0122	0.9879	0.9865	0.9893	<0.001
Respiratory infection	-0.4837	0.6165	0.5484	0.6931	<0.001
Bacteremia	-0.4169	0.6591	0.5338	0.8139	<0.001
Endocarditis	-0.2830	0.7535	0.4787	1.1861	0.222
CNS infection	-0.1767	0.838	0.529	1.3275	0.452
Skin infection	0.0017	1.0017	0.8357	1.2006	0.986
PID	0.1641	1.1783	0.6614	2.0992	0.578
GU tract infection	-0.4831	0.6168	0.5166	0.7365	<0.001
IAI	0.2711	1.3114	1.1585	1.4845	<0.001
Septic shock	-0.0085	0.9915	0.8642	1.1375	0.903
ICU admission	0.2525	1.2873	1.0994	1.5073	0.002
Mechanical ventilation	0.5426	1.7205	1.5055	1.9662	<0.001
Inotropes use	0.5601	1.7508	1.4953	2.0499	<0.001
Hypertension	0.0606	1.0625	0.8748	1.2904	0.541
CAD	0.2385	1.2693	1.0972	1.4684	0.001
Diabetes mellitus	0.0406	1.0414	0.9131	1.1877	0.545
CHF	-0.1885	0.8282	0.7155	0.9586	0.012
Autoimmune disease	0.1619	1.1757	0.8645	1.5991	0.302
COPD	-0.0733	0.9293	0.7801	1.1071	0.412
OSAS	0.0204	1.0206	0.8266	1.2601	0.850
Malignancy	0.1030	1.1085	0.9635	1.2752	0.150
CCI score	-0.0251	0.9752	0.9484	1.0027	0.076
CCBs	-0.2578	0.7728	0.6643	0.899	0.001
Alpha blockers	-0.0729	0.9297	0.8011	1.079	0.338
Beta blockers	-0.1843	0.8317	0.7107	0.9732	0.022
RAASis	-0.0257	0.9747	0.8431	1.1268	0.729
Diuretics	-0.3046	0.7374	0.6391	0.8508	<0.001
Statins	0.0303	1.0308	0.8883	1.1961	0.690
NSAIDs	-0.1154	0.891	0.7879	1.0077	0.066
PPIs	0.1242	1.1322	0.9856	1.3006	0.079
Antiplatelets	-0.1277	0.8801	0.7658	1.0114	0.072
Anticoagulants	-0.0479	0.9532	0.7944	1.1438	0.607
Follow-up period	-0.0002	0.9998	0.9997	0.9999	<0.001

Abbreviations: TCO₂, total carbonic dioxide; CI, confidence interval; eGFR, estimated glomerular filtration rate; CNS, central nervous system; PID, pelvic inflammatory disease; GU, genitourinary; IAI, Intra-abdominal infection; ICU, intensive care unit; CAD, coronary artery disease; CHF, congestive heart failure; COPD, chronic obstructive pulmonary disease; OSAS, obstructive sleep apnea syndrome; CCI, Charlson comorbidity index; CCBs, calcium channel blockers; RAASis, renin-angiotensin-aldosterone system inhibitors; NSAIDs, nonsteroidal anti-inflammatory drugs; PPIs, proton-pump inhibitors.

Figure S1. Covariate balance before and after propensity score matching

Abbreviations: eGFR, estimated glomerular filtration rate; CNS, central nervous system; PID, pelvic inflammatory disease; GU, genitourinary; IAI, Intra-abdominal infection; ICU, intensive care unit; CAD, coronary artery disease; DM, diabetes mellitus; CHF, congestive heart failure; COPD, chronic obstructive pulmonary disease; OSAS, obstructive sleep apnea syndrome; CCI, Charlson comorbidity index; CCBs, calcium channel blockers; RAASi, renin-angiotensin-aldosterone system inhibitors; NSAIDs, nonsteroidal anti-inflammatory drugs; PPIs, proton-pump inhibitors; PS, propensity score; SMD, standardized mean difference.

