

Supplementary Table 2. Univariable logistic regression analysis

Variable	OR	95% CI	P-value
Admission to a light room	0.363	0.178–0.739	0.005
Age	1.006	0.984–1.029	0.58
Sex	1.509	0.753–3.027	0.245
Body mass index	0.961	0.890–1.038	0.308
Smoking			0.095
Ever	0.365	0.113–1.179	0.092
Alcohol abuse	2.374	0.988–5.702	0.053
Underlying disease			
Hypertension	1.243	0.623–2.481	0.536
Diabetes mellitus	1.041	0.520–2.085	0.91
Chronic liver disease	0.698	0.238–2.050	0.512
Chronic kidney disease	0.594	0.270–1.306	0.193
Cardiovascular disease	0.9	0.425–1.905	0.783
Cerebrovascular disease	0.865	0.257–2.914	0.815
Cognitive disorder	0.725	0.073–7.155	0.782
Chronic obstructive pulmonary disease	0.725	0.073–7.155	0.782
Hypoxic brain injury	0.664	0.590–0.747	0.027
ICU admission diagnosis			
Respiratory failure	1.73	0.816–3.665	0.151
Sepsis	1.793	0.752–4.276	0.185
Renal replacement therapy	0.571	0.214–1.525	0.26
Cardiogenic cause	0.539	0.203–1.432	0.21
Hypovolemic shock	0.981	0.954–1.008	0.336
Post operation care	0.981	0.954–1.008	0.336
Trauma			
Other	0.996	0.325–3.047	0.994
APACHE II score	0.97	0.932–1.010	0.134
SOFA	0.944	0.869–1.025	0.17
SAPS II	0.995	0.978–1.012	0.581
Mechanical ventilation	1.965	0.742–5.204	0.169
Duration of mechanical ventilation (day)	1.03	0.999–1.062	0.058
Duration of mechanical ventilation free day	1.057	0.989–1.129	0.104
Medical history			
Antipsychotics	1.633	0.490–5.440	0.421
Benzodiazepine	2.078	0.706–6.117	0.177
Hypnotics	2.007	0.635–6.339	0.228
Steroid	2.117	1.014–4.421	0.044
Alcohol abuse	0.426	0.048–3.752	0.429
Use of opioids and hypnotics			
Duration of morphine administration (day)	0.975	0.761–1.250	0.841
Duration of remifentanil administration (day)	1.044	1.009–1.081	0.014
Duration of fentanyl administration (day)	0.981	0.625–1.540	0.933
Duration of midazolam administration (day)	1.079	0.941–1.237	0.277
Duration of propofol administration (day)	1.038	1.005–1.078	0.047
Duration of dexmedetomidine administration (day)	1.034	0.9997–1.069	0.052

(Continued to the next page)

Supplementary Table 2. Continued

Variable	OR	95% CI	P-value
Opioid	1.643	0.650–4.153	0.291
Sedative	0.964	0.383–2.422	0.937
Vasoactive agents			
Norepinephrine	1.095	0.527–2.276	0.808
Epinephrine	3.248	1.129–9.345	0.023
Dopamine	0.539	0.203–1.432	0.21
Dobutamine	0.725	0.073–7.155	0.782
Vasopressin	1.546	0.659–3.625	0.314
Renal replacement therapy	0.681	0.329–1.410	0.3
ECMO	0.824	0.276–2.462	0.729
Self-extubation	1.098	0.097–12.416	0.94
Hospital LOS	1.016	1.006–1.026	0.001
ICU LOS	1.039	1.008–1.070	0.013

APACHE: Acute Physiology and Chronic Health Evaluation; SOFA: Sepsis Organ Failure Assessment; SAPS: Simplified Acute Physiology Score; ECMO: extracorporeal membrane oxygenation; ICU: intensive care unit; LOS: length of stay.