

Factors Predicting Acute Brain Injury in Cases of Carbon Monoxide Poisoning: A Prospective Registry-Based Study

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Table S1. Univariable logistic regression analysis for the factors predicting acute brain injury.

	Odds Ratio	95% CI	P-Value
Age group			
< 20 years	1		
20-39 years	3.405	0.4199–27.6184	0.251
40-59 years	8.262	1.0424–65.4868	0.046
≥ 60 years	7.000	0.7906–61.9762	0.080
Male	1.372	0.748–2.516	0.307
Comorbidities			
Hypertension	0.702	0.249–1.976	0.502
Diabetes	2.004	0.436–9.215	0.372
Current smoker	1.448	0.802–2.616	0.220
Vital Signs			
Systolic blood pressure ≥ 140 mmHg	0.571	0.308–1.059	0.075
Diastolic blood pressure ≥ 90 mmHg	0.597	0.316–1.129	0.153
Heart rate > 100 /min	0.981	0.511–1.881	0.953
Respiratory rate > 16 /min	0.247	0.040–1.511	0.151
Intentional exposure	2.246	1.110–4.542	0.024
GCS score < 9	5.374	2.215–13.039	<0.001
Symptoms			
Headache	0.439	0.161–1.196	0.108
Loss of consciousness	1.354	0.684–2.677	0.384
Dyspnea	0.426	0.050–3.609	0.434
Chest pain	2.661	0.367–19.306	0.333
Laboratory findings			
White blood cell count > 10 × 10 ³ /uL	4.208	1.916–9.244	<0.001
BUN > 17.71 mg/dL	5.787	2.922–11.501	<0.001
Creatinine > 1.2 mg/dL	10.045	4.515–22.347	<0.001
Creatine Kinase > 1,000 U/L	7.984	3.572–17.847	<0.001
pH < 7.2	5.726	0.508–64.487	0.158
C-reactive protein > 9.2 mg/L	10.503	4.530–24.354	<0.001
Hyperbaric oxygen therapy	0.957	0.181–5.061	0.959

BMI, body mass index; BUN, blood urea nitrogen; CI, confidence interval; COHb, carboxyhemoglobin; GCS, Glasgow Coma Scale.