

Table2 Comparison of basic information between the ROSC group and the resuscitation failure group

Variable	All patients (n=463)	With ROSC (n=57)	Without ROSC (n=406)	Statistic (χ^2/u)	P-value
Gender (n, %)					
Male	335 (72.35)	42 (73.68)	293 (72.17)	0.006	0.934
Female	128 (27.65)	15 (26.32)	113 (27.83)		
Age (year)	65 (54.76)	58 (50.76)	66 (56.76)	10010.0	0.049
Pathogenesis (n, %)					
Cardiogenic	274 (59.18)	33 (57.89)	241 (59.36)	0.004	0.946
Non-cardiac	153 (33.05)	18 (31.58)	135 (33.25)	0.010	0.919
Agnogenic	36 (7.78)	6 (10.53)	30 (7.39)	0.318	0.572
Preexisting illness (n, %)					
Coronary heart disease	144 (31.10)	17 (29.82)	127 (31.28)	0.004	0.944
Hypertension	129 (27.86)	18 (31.58)	111 (27.34)	0.261	0.609
Cerebrovascular disease	45 (9.71)	9 (15.79)	36 (8.87)	1.998	0.158
Metastatic/ Hematological malignancy	16 (3.45)	2 (3.51)	14 (3.45)	0.132	0.716
COPD	11 (2.37)	2 (3.51)	9 (2.22)	0.018	0.892
Renal insufficiency/ Renal failure	12 (2.59)	2 (3.52)	10 (2.46)	0.001	0.983
Liver insufficiency/ Liver failure	10 (2.15)	3 (5.26)	7 (1.72)	1.524	0.216
Electrolyte disorder	8 (1.72)	4 (7.02)	4 (0.98)	7.453	0.006
Cardiomyopathies	6 (1.29)	2 (3.52)	4 (0.98)	0.907	0.341
Hypotension/Shock	4 (0.86)	0 (0.00)	4 (0.98)	0.001	0.990
Rheumatic heart disease	1 (0.21)	1 (0.18)	0 (0.00)	1.318	0.250
Bronchial asthma	1 (0.21)	0 (0.00)	1 (0.25)	1.318	0.250

Other	107 (23.11)	18 (31.58)	89 (21.92)	2.108	0.146
Uncertain	116 (25.05)	11 (19.30)	105 (25.86)	0.888	0.346
By stander CPR (n, %)	208 (44.92)	29 (50.88)	179 (44.09)	0.676	0.410
By stander witnessed CPR (n, %)	255 (55.08)	40 (70.18)	215 (52.96)	5.314	0.021
CPR (n, %)	396 (84.45)	57 (100.00)	339 (83.50)	9.074	0.001
Time CPR first begun (min)	10 (1, 20)	5 (0, 10)	10 (1, 20)	10016.0	0.048
Duration of CPR (min)	60 (30, 90)	22 (12, 45)	60 (35, 92)	5743.0	3.562
First monitored rhythm (n, %)					
Asystole	186 (40.17)	22 (38.60)	164 (40.39)	0.013	0.908
PEA	55 (11.88)	5 (8.77)	50 (12.32)	0.380	0.578
Bradycardia	13 (2.81)	4 (7.02)	9 (2.22)	2.645	0.103
Ventricular fibrillation	13 (2.81)	0 (0.00)	13 (3.20)	0.887	0.346
Ventricular tachycardia	4 (0.86)	2 (3.51)	2 (0.49)	2.371	0.123
Defibrillation (n, %)	39 (8.42)	10 (17.54)	29 (7.14)	5.726	0.016
First use time of adrenaline (min)	5 (0.5, 19.61)	3.32 (0.48, 10)	5.49 (0.50,19.76)	10624.5	0.158
Adrenaline (mg)	10 (4, 20)	4 (2, 9)	10 (5,20)	6990.0	5.861
Airway control (n, %)					
Endotracheal tube	329 (71.06)	40 (70.18)	289 (71.18)	1.021	0.999
Simple respirator	44 (9.50)	10 (17.54)	34 (8.37)	3.878	0.048
Tracheotomy	3 (0.65)	0 (0.00)	3 (0.74)	0.053	0.817

ROSC = return of spontaneous circulation.CPR =cardiopulmonary resuscitation.COPD = chronic obstructive pulmonary disease.PEA =pulseless electrical activity

