Supplementary Table S1. Characteristics of resuscitated OHCA patients with multivessel disease.

(n=119)	
Age (years)	67 ± 12
Sex	
Male	98 (82.4%)
Female	21 (17.6%)
BMI (kg/m2)	26 ± 4.4
Hypertension	90 (81.1%)
Diabetes	19 (17.3%)
Smoker	35 (31.5%)
Hypercholesterolemia	67 (60.4%)
Previous myocardial revascularisation	
Previous PCI	18 (16.1%)
Previous CABG	8 (7.1%)
Rhythm at presentation	
Shockable	100 (84%)
Not shockable	19 (16%)
First rhythm detected	
VF	88 (73.9%)
Pulseless VT	3 (2.5%)
PEA	13 (10.9%)
Asystole	5 (4.2%)
AED shockable	9 (7.6%)
AED not shockable	1 (0.8%)
ECG diagnostic for STEMI	75 (74.3%)
HR (bpm)	101 ± 30
Median CA duration (min)	23 (18.7-29.9)
Time from CA to CAG (days)	0.7 ± 2.4
LVEF (%)	40 (37-40)
Pharmacological haemodynamic support (%)	37 (33.3%)
IABP	9 (8.2%)
ECMO	7 (6.4%)
IABP+ECMO	6 (5.5%)
Serum Creatinine at admission (mg/dl)	1.03 (0.9-1.1)
hs-TNI at admission (ng/l)	913 (585-1862)
hs-TNI peak value (ng/l)	52611 (21216 – 73783)
CK at admission (U/L)	263 (220 – 341)
CK peak value (U/L)	2106 (1620 – 2500)
Hb at admission (g/dl)	13.4 ± 1.9
Survival at discharge	73 (61.9%)

AED, automated external defibrillator; BMI, body mass index; CABG, coronary artery by-pass graft; PCI, percutaneous coronary intervention; VF, ventricular fibrillation; VT , ventricular tachycardia; PEA, pulseless electrical activity; ECG, electrocardiogram, STEMI, ST-elevation myocardial infarction; HR, heart rate; CA, cardiac arrest; CAG, coronary angiography; LVEF, left ventricular ejection fraction; IABP, intra-aortic balloon pump; ECMO, extra-corporeal membrane oxygenation; hs-TNI, high-sensitivity cardiac troponin I; CK, creatin-kinase; Hb, haemoglobin.

Supplementary Table S2. Characteristics of resuscitated OHCA patients with multivessel disease discharged alive.

	(n=73)
Age (years)	66.3 ± 12.3
Sex	
Male	62 (84.9%)
Female	11 (15.1%)
BMI (kg/m2)	25.8 ± 4.8
Hypertension	57 (80.3%)
Diabetes	12 (16.9%)
Smoker	27 (38.0%)
Hypercholesterolemia	47 (66.2%)
Previous myocardial revascularisation	
Previous PCI	9 (12.7%)
Previous CABG	6 (8.5%)
Rhythm at presentation	
Shockable	68 (93.2%)
Not shockable	5 (6.8%)
First rhythm detected	
VF	58 (79.5%)
Pulseless VT	3 (4.1%)
PEA	3 (4.1%)
Asystole	2 (2.7%)
AED shockable	7 (9.6%)
AED not shockable	0 (0%)
ECG diagnostic for STEMI	46 (71.9%)
HR (bpm)	102.0 ± 31.0
Median CA duration (min)	18.0 (13.8 - 22.1)
Time from CA to CAG (days)	1.0 ± 2.97
LVEF (%)	40.0 (40.0 - 45.0)
Pharmacological haemodynamic support (%)	12 (17.4%)
IABP	3 (4.4%)
ECMO	0 (0%)
IABP+ECMO	3 (4.4%)
Serum Creatinine at admission (mg/dl)	0.96 (0.90 - 1.03)
hs-TNI at admission (ng/l)	457 (306 - 913)
hs-TNI peak value (ng/l)	47530 (12888 - 63240)

CK at admission (U/L)	170 (142 - 262)
CK peak value (U/L)	1768 (1121 - 2401)
Hb at admission (g/dl)	14.0 ± 1.8

AED, automated external defibrillator; BMI, body mass index; CABG, coronary artery by-pass graft; PCI, percutaneous coronary intervention; VF, ventricular fibrillation; VT , ventricular tachycardia; PEA, pulseless electrical activity; ECG, electrocardiogram, STEMI, ST-elevation myocardial infarction; HR, heart rate; CA, cardiac arrest; CAG, coronary angiography; LVEF, left ventricular ejection fraction; IABP, intra-aortic balloon pump; ECMO, extra-corporeal membrane oxygenation; hs-TNI, high-sensitivity cardiac troponin I; CK, creatin-kinase; Hb, haemoglobin.