

Table 1 of the supplementary data. Laboratory data of the study population and comparison between the VA and non-VA groups on admission and at 48 hours

	All patients (n = 87)	VA group (n = 22)	Non-VA group (n = 65)	P
<i>Laboratory findings on admission</i>				
Troponin I peak, ng/mL	3.61 ± 8.46	3.96 ± 5.96	7.91 ± 5.41	.962
NT-proBNP, pg/mL	9758 ± 22 547	25 102 ± 56 662	5574 ± 10 174	.333
White blood cells, No. x 10 ⁹ /L	9.8 ± 4.5	20.48 ± 9.55*	9.45 ± 3.12*	.029*
Serum creatinine levels, mg/dL	0.95 ± 0.21	1.10 ± 0.25	0.85 ± 0.28	.221
Serum potassium, mmol/L	3.7 ± 0.4	3.5 ± 0.4*	3.9 ± 0.4*	.020*
Serum calcium, mg/dL	8.9 ± 0.4	9.1 ± 0.3	8.7 ± 0.5	.462
Serum magnesium, mmol//L	1.55 ± 0.3	1.7 ± 0.2	1.5 ± 0.2	.536
<i>Laboratory findings at 48 hours</i>				
Troponin I peak, ng/mL	1.20 ± 3.43	1.12 ± 2.62	1.34 ± 4.41	.987
NT-proBNP, pg/mL	6558 ± 18 546	15 102 ± 26 662	5574 ± 10 174	.250
White blood cells, No. x 10 ⁹ /L	10.7 ± 3.5	17.48 ± 8.45*	9.24 ± 3.14*	.038*
Serum creatinine levels, mg/dL	0.95 ± 0.21	1.10 ± 0.25	0.85 ± 0.28	.221
Serum potassium, mmol/L	3.6 ± 0.4	3.3 ± 0.4*	3.9 ± 0.5*	.003*
Serum calcium, mg/dL	8.8 ± 0.3	8.6 ± 0.9	8.9 ± 0.6	.163
Serum magnesium, mmol//L	2.05 ± 0.2	2.1 ± 0.4	1.9 ± 0.2	.279

NT-proBNP, N-terminal pro-B-type natriuretic peptide; VAs, ventricular arrhythmias.

Data are expressed as mean ± standard deviation.

* Statistically significant comparisons are highlighted in bold text.

Table 2 of the supplementary data. Standard electrocardiographic features on admission in the overall population and comparison between the VA and non-VA groups

	All patients (n = 87)	VAs group (n = 22)	Non-VAs group (n = 65)	P
<i>Variables</i>				
Heart rate, bpm	88 ± 21	91 ± 28	85 ± 16	.370
P wave duration, msec	107 ± 23	108 ± 20	107 ± 18	.984
PR segment duration, msec	163 ± 27	155 ± 32	165 ± 23	.166
Left bundle branch block	6 (6)	2 (9)	3 (5)	.597
Right bundle branch block	23 (25)	7 (32)	15 (23)	.411
Left anterior fascicular block	10 (11)	4 (18)	6 (9)	.265
Interventricular conduction delay	3 (3)	2 (9)	1 (1)	.156
ST-segment elevation	60 (69)	15 (68)	45 (69)	1.000
ST-segment depression	14 (16)	4 (18)	10 (15)	.748
J wave	4 (4)	2 (9)	2 (3)	.244
T wave inversion	20 (23)	5 (22)	15 (23)	.820

bpm, beats per minute; VA, ventricular arrhythmia.

Data are expressed as No. (%) or mean ± standard deviation.

Table 3 of the supplementary data. Depolarization and repolarization electrocardiographic parameters in the overall population and comparison between the VA and non-VA groups on admission and at 48 hours

	All patients (n = 87)	VA group (n = 22)	Non-VA group (n = 65)	P
<i>On admission</i>				
QRS, msec	98 ± 25	97 ± 25	98 ± 24	.946
QRS dispersion, msec	36 ± 22	40 ± 24	35 ± 31	.519
QT, msec	382 ± 56	385 ± 48	381 ± 67	.806
QTc, msec	450 ± 58	452 ± 50	449 ± 63	.460
QT dispersion, msec	74 ± 49	72 ± 47	75 ± 51	.789
Corrected QT dispersion, msec	87 ± 52	88 ± 60	87 ± 47	.763
Global Tpeak-Tend, msec	90 ± 27	92 ± 35	90 ± 19	.614
Corrected global Tpeak-Tend, msec	107 ± 26	107 ± 30	106 ± 22	.686
Precordial Tpeak-Tend, msec	94 ± 33	94 ± 48	93 ± 20	.489
Corrected precordial Tpeak-Tend, msec	111 ± 33	111 ± 35	109 ± 21	.649
Tpeak-Tend in limb leads, msec	89 ± 26	91 ± 33	90 ± 21	.713
Corrected Tpeak-Tend in limb leads, msec	106 ± 25	107 ± 29	106 ± 22	.840
Global Tpeak-Tend dispersion, msec	58 ± 38	62 ± 46	57 ± 37	.661
Corrected global Tpeak-Tend dispersion, msec	68 ± 40	72 ± 46	67 ± 42	.690
Precordial Tpeak-Tend dispersion, msec	44 ± 31	49 ± 40	43 ± 27	.406
Corrected precordial Tpeak-Tend dispersion, msec	51 ± 33	53 ± 40	50 ± 31	.388
Tpeak-Tend dispersion in limb leads, msec	40 ± 29	41 ± 32	39 ± 28	.910
Corrected Tpeak-Tend dispersion in limb leads, msec	48 ± 28	49 ± 35	49 ± 15	.957
Global JT peak, msec	196 ± 45	198 ± 46	195 ± 41	.938
Corrected global JT peak, msec	232 ± 40	235 ± 35	232 ± 58	.771
Precordial JT peak, msec	193 ± 50	195 ± 47	193 ± 52	.912
Corrected precordial JT peak, msec	229 ± 48	231 ± 37	228 ± 53	.836
JT peak in limb leads, msec	197 ± 48	200 ± 50	196 ± 46	.981
Corrected JT peak in limb leads, msec	234 ± 41	238 ± 37	231 ± 43	.680
Global JT peak dispersion, msec	70 ± 34	72 ± 27	70 ± 36	.846
Corrected global JT peak dispersion, msec	83 ± 40	88 ± 37	82 ± 40	.562
Precordial JT peak dispersion, msec	51 ± 28	48 ± 21	56 ± 31	.160
Corrected precordial JT peak dispersion, msec	62 ± 33	59 ± 27	66 ± 37	.402

JT peak dispersion in limb leads, msec	53 ± 33	54 ± 30	51 ± 34	.752
Corrected JT peak dispersion in limb leads, msec	64 ± 42	65 ± 39	60 ± 43	.571
<i>At 48 hours</i>				
QRS, msec	97 ± 20	95 ± 22	98 ± 19	.750
QRS dispersion, msec	30 ± 20	29 ± 24	30 ± 19	.900
QT, msec	420 ± 61	427 ± 68	418 ± 47	.525
QTc, msec	470 ± 38	480 ± 40*	460 ± 36*	.044*
QT dispersion, msec	72 ± 43	80 ± 47	71 ± 36	.451
Corrected QT dispersion, msec	89 ± 48	93 ± 54	82 ± 41	.388
Global Tpeak-Tend, msec	96 ± 30	102 ± 20	93 ± 36	.131
Corrected global Tpeak-Tend, msec	103 ± 26	128 ± 24*	100 ± 26*	.018*
Precordial Tpeak-Tend, msec	99 ± 48	106 ± 44	95 ± 18	.198
Corrected precordial Tpeak-Tend, msec	107 ± 25	128 ± 36*	104 ± 22*	.030*
Tpeak-Tend in limb leads, msec	99 ± 38	108 ± 37	91 ± 20	.193
Corrected Tpeak-Tend in limb leads, msec	107 ± 35	122 ± 34*	97 ± 20*	.040*
Global Tpeak-Tend dispersion, msec	73 ± 65	80 ± 72	55 ± 33	.133
Corrected global Tpeak-Tend dispersion, msec	79 ± 67	91 ± 81	60 ± 35	.111
Precordial Tpeak-Tend dispersion, msec	54 ± 33	50 ± 39	42 ± 22	.386
Corrected precordial Tpeak-Tend dispersion, msec	54 ± 32	56 ± 42	48 ± 24	.422
Tpeak-Tend dispersion in limb leads, msec	71 ± 44	79 ± 52	60 ± 29	.081
Corrected Tpeak-Tend dispersion in limb leads, msec	77 ± 48	86 ± 55	65 ± 33	.124
Global JT peak, msec	232 ± 48	235 ± 50	230 ± 45	.721
Corrected global JT peak, msec	251 ± 38	253 ± 34	250 ± 40	.849
Precordial JT peak, msec	233 ± 46	235 ± 48	229 ± 45	.622
Corrected precordial JT peak, msec	250 ± 39	254 ± 42	249 ± 35	.388
JT peak in limb leads, msec	237 ± 44	238 ± 48	236 ± 43	.763
Corrected JT peak in limb leads, msec	255 ± 42	256 ± 46	254 ± 35	.731
Global JT peak dispersion, msec	84 ± 69	77 ± 41	86 ± 80	.607
Corrected global JT peak dispersion, msec	92 ± 75	86 ± 45	94 ± 87	.679
Precordial JT peak dispersion, msec	70 ± 68	62 ± 34	72 ± 80	.599
Corrected precordial JT peak dispersion, msec	77 ± 75	70 ± 40	79 ± 87	.667
JT peak dispersion in limb leads, msec	49 ± 35	53 ± 40	43 ± 28	.306
Corrected JT peak dispersion in limb leads, msec	55 ± 36	58 ± 40	53 ± 31	.263

QTc, corrected QT interval; VA, ventricular arrhythmia.

Data are expressed as mean \pm standard deviation.

*Statistically significant comparisons are highlighted in bold text.

Table 4 of the supplementary data. Angiography and echocardiography data on admission in the overall population and comparisons between the VA group and non-VA group

	All patients	VA group	Non-VA group	P
<i>Angiography variables</i>				
Apical variant	66 (76)	16 (73)	50 (77)	.559
Inverse variant	1 (1)	1 (4)	0 (0)	.129
Midventricular variant	16 (18)	4 (18)	12 (18)	1.000
Focal variant	2 (2)	1 (4)	1 (1)	.453
<i>Echocardiographic variables</i>				
LVEF, %	46 ± 10	42 ± 11	48 ± 10	.065
Diastolic dysfunction ≥ 2nd degree	43 (49)	9 (41)	34 (52)	.771
LV hypertrophy	40 (46)	9 (53)	31 (57)	.785
TAPSE, mm	20 ± 4	19 ± 5	21 ± 4	.107
LV EDV, mL	77 ± 15	70 ± 13	78 ± 16	.117
LV ESV, mL	39 ± 11	38 ± 14	38 ± 11	.918
Mitral regurgitation more than mild	50 (57)	12 (54)	38 (58)	1.000
Systolic pulmonary artery pressure, mmHg	36 ± 10	37 ± 10	35 ± 10	.692
<i>Pericardial effusion</i>	14 (16)	7 (32)*	7 (11)*	.038*

EDV, end-diastolic volume; ESV, end-systolic volume; LV, left ventricle; LVEF, left ventricle ejection

fraction; TAPSE, tricuspid annular plane systolic excursion; VAs, ventricular arrhythmias.

Data are expressed as No. (%) or mean ± standard deviation.

*Statistically significant comparisons are highlighted in bold text.

Table 5 of the supplementary data. Summarized characteristics of the 6 patients who died during in-hospital stay

Patient number	Sex	Age, y	Subacute VAs	LVEF on admission, %)	Heart rate at 48 hours, bpm	Acute VAs	NYHA class III-IV on admission	TTS pattern	Corrected global Tpeak-Tend at 48 h, msec	Cause of death
5	M	87	NSVT	36	71	No	Yes	Apical	131	Cardiogenic shock
6	F	80	No	50	84	Yes	No	Apical	118	Septic shock
27	F	89	VF	45	94	No	Yes	Midventricular	138	VF
77	F	43	NSVT	22	116	Yes	Yes	Apical	125	Septic shock
80	F	74	NSVT	28	94	No	Yes	Midventricular	111	Septic shock
82	F	90	No	25	108	No	Yes	Apical	121	Cardiac rupture

bpm, beats per minute; F, female; LVEF, left ventricular ejection fraction; M, male; NSVT, non-sustained ventricular tachycardia; NYHA, New York Heart Association; TTS, tako-tsubo syndrome; VAs, ventricular arrhythmias; VF, ventricular fibrillation.

Table 6 of the supplementary data. In-hospital complications and comparison between the VA group and non-VA group.

	All patients	VAs group (n = 22)	Non-VAs group (n = 65)	P value
<i>In-hospital complications</i>				
Supraventricular tachycardia	9 (10)	2 (9)	6 (9)	1.000
Atrial fibrillation	15 (16)	4 (18)	10 (15)	.745
Atrioventricular block	8 (9)	2 (9)	4 (6)	.640
Acute pulmonary edema	32 (34)	10 (45)	21 (32)	.308
Septic shock	9 (2)	4 (18)	7 (11)	.459
Moderate/severe mitral regurgitation	8 (9)	2 (9)	5 (14)	1.000
Right ventricular involvement	24 (26)	7 (32)	16 (25)	.579
Left ventricular outflow tract obstruction	3 (3)	1 (5)	2 (3)	1.000
Left ventricular thrombus	3 (3)	1 (5)	2 (3)	1.000
Ventricular rupture	1 (1)	0 (0)	1 (2)	1.000
Acute kidney failure	13 (14)	5 (23)	7 (11)	.170

VA, ventricular arrhythmia.

The data are expressed as No. (%).

Figure 1 of the supplementary data. Variables associated with in-hospital mortality. Comparison of heart rate values at 48 hours from admission (A) and left ventricular ejection fraction (LVEF) on admission (B) between patients who died during hospitalization or who survived. Pearson correlation analysis between LVEF on admission and the heart rate at 48 hours from admission (C).

