

SUPPLEMENTARY DATA

Temporal trends in postinfarction ventricular septal rupture: The CIVIAM Registry

Table 1 of the supplementary data

Temporal evolution of primary PCI networks

Autonomous Communities of Spain	Number of patients included	Year of beginning of primary PCI network
Madrid	42	2013
Catalonia	30	2009
Galicia	14	2005
Cantabria	11	2013
Basque Country	10	2014
Valencian Community	9	2013
Navarre	4	2002

PCI, percutaneous coronary intervention.

Table 2 of the supplementary data

Analysis of in-hospital mortality

	Survivors (n = 46)	Nonsurvivors (n = 74)	P
Baseline characteristics			
<i>Female sex</i>	16 (34.8)	35 (47.3)	.178
<i>Hypertension</i>	18 (39.1)	28 (37.8)	.887
<i>Diabetes</i>	33 (71.7)	47 (63.5)	.353
<i>Dyslipidemia</i>	24 (52.2)	44 (59.5)	.434
<i>Smoking</i>			.086
Never	25 (54.4)	45 (60.8)	
Current	20(43.5)	21 (28.4)	
Former	1 (2.2)	8 (10.8)	
<i>Age, y</i>	66.4 ± 14.1	74.1 ± 10.3	.001
<i>BMI, kg/cm²</i>	26.1 ± 4.0	27.3 ± 4.0	.195
Previous cardiovascular disease			
<i>Previous NSTEMI</i>	0 (0)	4 (54)	.297
<i>Previous STEMI</i>	1 (2.2)	3 (4.1)	.999
<i>Previous PCI</i>	1 (2.2)	5 (6.8)	.405
<i>Previous CABG</i>	0 (0)	2 (2.7)	.523
<i>Peripheral arterial disease</i>	2 (4.4)	6 (8.2)	.483
<i>Cerebrovascular disease</i>	1 (2.2)	3 (4.1)	.999

Prognostic scores			
<i>EuroSCORE II</i>	10.9 (6.6-23.7)	17.2 (11.1-31.2)	.009
<i>Charlson Score</i>	4 (3-6)	5 (3-7)	.013
Characteristics of the ischemic event			
<i>ST-elevation</i>			.665
Anterior	41 (89.1)	63 (85.1)	
Inferior	7 (15.2)	10 (13.5)	
Non-ST-elevation	0 (0)	1 (1.4)	
<i>Coronary angiography</i>	42 (91.3)	57 (78.1)	.060
<i>Culprit lesion</i>			.252
No lesion	2 (4.7)	1 (1.8)	
LMCA	2 (4.7)	0 (0)	
LAD	19 (44.2)	22 (40.0)	
CX	2 (4.7)	1 (1.8)	
RCA	17 (39.5)	31 (56.4)	
Echocardiographic findings			
<i>LVEF, %</i>	43.3 ± 11.1	44.5 ± 11.4	.575
<i>Basal VSR</i>	13 (29.6)	27 (39.7)	.316
<i>Apical VSR</i>	30 (68.2)	45 (65.2)	.839
<i>VSR size, cm^{2a}</i>	1.2 [0.9-2]	1.5 [1-2.2]	.175
Diagnosis and treatment delay			

<i>STEMI diagnosis (d after initial symptoms)^a</i>	0 [0-2]	0 [0-3]	.509
<i>Time from symptoms to VSR diagnosis^{a, d}</i>	2 [1-8]	2 [0-5]	.191
<i>Time from VSR diagnosis to attempted closure^{a,b}</i>	2 [1-5]	0 [1-2]	.039
Management			
<i>IABP</i>	32 (69.6)	48 (66.7)	.742
<i>VA-ECMO</i>	10 (21.7)	12 (16.2)	.447
<i>Other MCS</i>	0 (0)	5 (6.8)	.155
<i>Percutaneous closure</i>	0 (0)	9 (12.2)	.013
<i>Surgical repair</i>	38 (82.6)	41 (55.4)	.002
<i>Combined VSR repair plus CABG^c</i>	7 (20.0)	12 (25.0)	.592
<i>CABG revascularization</i>	15 (32.6)	17 (23.3)	.264
<i>PCI revascularization</i>	22 (47.8)	30 (41.7)	.511
<i>Heart transplant</i>	6 (13.0)	0 (0)	0.003

BMI, body mass index; CABG, coronary artery bypass grafting; CX, circumflex artery; IABP, intraaortic balloon pump; LAD, left anterior descending artery; LMCA, left main coronary artery; MCS, mechanical circulatory support; NSTEMI, non–ST-elevation acute myocardial infarction; PCI, percutaneous coronary intervention; RCA, right coronary artery; STEMI, ST-segment elevation myocardial infarction; VA-ECMO, venoarterial extracorporeal membrane oxygenation; VSR, ventricular septal rupture.

The data are No. (%), mean \pm standard deviation and median [interquartile range].

^a Non normal distribution.

^b Data available in 77 patients.

^c The data are expressed as a percentage of patients who underwent VSR repair.