

Supplementary Material

Table 4. Distribution of patients according to different pre-established time intervals from the onset of symptoms to hospital admission

Admission time	n	%	Median, minutes	95% CI
0-3	947	54.4	90	50-125
>3-6	320	18.4	254	210-300
>6-12	249	14.3	495	435-600
>12-24	136	7.8	1,002	837-1,200
>24	89	5.1	1,869	1,590-2,310

IQR: Interquartile range

Table 5. Reasons for delay in reperfusion treatment reported by physicians.

	n	%	95% CI
Patient consultation	632	35.9	33.7 – 38.2
Referred to another center for PTCA	299	17.0	15.3 – 18.9
Ambulance delay	250	14.2	12.6 – 15.9
Emergency room	215	12.2	10.8 – 13.9
Failure of medical diagnosis	202	11.5	10.1 – 13.1
Hemodynamic delay	154	8.7	7.5 – 10.2
Administrative problems	81	4.6	3.7 – 5.7
Doubtful initial ECG	73	4.1	3.3 – 5.2
Cardiac arrest	64	3.6	2.8 – 4.7
Other reasons	119	6.8	5.7 – 8.1

PTCA: Percutaneous transluminal coronary angioplasty. ECG: Electrocardiogram

Table 6. Time differences from the onset of symptoms to balloon inflation according to whether clinicians detected treatment delays

Reason for delay	Patients with delay %	Delay Median, minutes (IQR 25-75)	Without delay Median, minutes (IQR 25-75)	Time difference minutes	p
Patient consultation	38	427 (280-745)	215 (150-330)	-212	<0.001
Referred to another center	17	375 (250-623)	256 (170-480)	-119	<0.02
Ambulance	16	340 (244-607)	259 (170-496)	-81	<0.001
Emergency room	13	385 (255-627)	265 (170-490)	-120	<0.001
Diagnostic failure	11	502 (320-925)	260 (170-442)	-242	<0.001
Hemodynamics	10	330 (230-510)	270 (172-510)	-60	<0.001
Cardiac arrest	8	225 (165-363)	284 (180-530)	+59	<0.05
Other causes	5	384 (176-507)	275 (210-660)	-109	<0.05
Administrative	5	375 (240-570)	270 (176-508)	-105	<0.001
Doubtful ECG	4	652 (392-1170)	270 (175-480)	-382	<0.001

IQR: Interquartile range. ECG: Electrocardiogram

Table 7. Adjuvant medication prescribed on admission and discharge

	n	On admission n=1,759			discharge n=1,574		
		%	95% CI	n	%	95% CI	
Aspirin	1,741	98.9	98.4 – 99.4	1,553	98.7	97.6 – 99.2	
Clopidogrel	1,386	78.8	76.8 – 80.6	1,122	71.3	69.0 – 73.5	
Prasugrel	190	10.8	9.4 – 12.3	138	8.8	7.5 – 10.3	
Ticagrelor	320	18.2	19.7 – 25.1	209	13.3	11.7 – 15.0	
GP IIb/IIIa inhibitors	149	8.5	7.3 – 9.9				
UFH anticoagulation	464	26.4	24.3 – 28.5				
LMWH anticoagulation	436	24.8	22.8 – 26.9				
Bivalirudin	70	4.1	3.2 – 5.0				
Intravenous nitroglycerine	1,187	67.5	65.3 – 69.6				
Oral nitrates	84	4.8	3.9 – 5.9	27	1.7	1.2 – 2.5	
Beta-blockers	1,079	61.3	59.0 – 63.6	1,140	72.4	70.1 – 74.6	
ACEI	964	54.8	52.5 – 57.1	929	59.0	56.5 – 61.5	
ARBs	104	5.9	4.9 – 7.1	107	6.8	5.6 – 8.2	
Calcium antagonists	32	1.8	1.3 – 2.6	27	1.7	1.2 – 2.5	
Statins	1,616	91.9	90.5 – 93.1	1,489	94.6	93.4 – 95.6	
Diuretics	387	22.0	20.1 – 24.0	113	7.2	6.0 – 8.6	
Antialdosterone agents	224	12.7	11.3 – 14.4	225	14.3	12.6 – 16.1	
Insulin	302	17.2	15.5 – 19.0	71	4.5	3.6 – 5.7	
Oral hypoglycemic agents	69	3.9	3.1 – 4.9	152	9.7	8.3 – 11.3	
Antiarrhythmic drugs	128	7.3	6.2 – 8.6	42	2.7	1.9 – 3.6	
Acenocoumarol-warfarin	34	1.9	1.4 – 2.7				
Dopamine	165	9.4	8.1 – 10.8				
Dobutamine	93	5.3	4.3 – 6.4				
Noradrenaline	181	10.3	8.9 – 11.8				
Levosimendan	23	1.3	0.9 – 1.9				
Milrinone	16	0.9	0.6 – 1.5				

GP IIb/IIIa: Glycoprotein IIb/IIIa. UFH: Unfractionated heparin. LMWH: Low molecular weight heparin. ACEI: Angiotensin converting enzyme inhibitors; ARBs: Angiotensin II receptor blockers.

Table 8. In-hospital events and 30-day outcome

In-hospital events	n	%	95% CI
General mortality	155	8.8	7.6 – 10.2
Cardiovascular mortality	131	7.5	6.3 – 8.8
Postinfarction angina	44	2.5	1.9 – 3.3
Reinfarction	30	1.7	1.2 – 2.4
Stroke	12	0.7	0.3 – 1.2
Atrial fibrillation	74	4.2	3.4 – 5.3
Cardiac arrest	185	10.5	9.2 – 12.0
Cardiac arrest rhythm			
Fibrillation/ventricular tachycardia	93	50.3	
Pulseless electrical activity	37	20.0	
Asystole	40	21.6	
Not documented	14	8.1	
Hemorrhage	67	3.8	3.1 – 4.8
Mild	40	59.7	
Moderate	19	28.4	
Major	8	11.9	
Heart failure	491	27.9	25.9 – 30.1
Cardiogenic shock	158	9.0	7.8 – 10.5
Mechanical complications	18	1.0	0.6 – 1.6
Interventricular communication	4	22.2	
Mitral regurgitation	8	44.4	
External cardiac rupture	6	33.3	
Events at 30 days			
Mortality	5 / 941	0.5	0.2 – 1.2
Rehospitalization	82 / 976	8.4	7.1 – 10.7
Reoperation	58 / 867	5.7	5.2 – 8.6