

SUPPLEMENTARY DATA

Table 1 of the supplementary data. Baseline characteristics of a population with acute coronary syndrome due to systemic embolism

	N = 40
Age (years)	60.3 ± 18.7
Female sex	17 (42.5)
Cardiovascular risk factors	
Hypertension	16 (40.0)
Diabetes	4 (10.0)
Dyslipidemia	11 (27.5)
Ever smoking	22 (55.0)
Body mass index	27 ± 4
Drugs use	3 (7.1)
Cardiovascular past medical history	
Previous myocardial infarction	0 (0)
Previous percutaneous coronary intervention	0 (0)
Previous coronary artery bypass graft	0 (0)
Prosthetic valve	4 (10.0)
Aortic position	
▪ Biological	1 (2.5)
▪ Mechanical	3 (7.5)
Mitral position	
▪ Biological	0 (0)
▪ Mechanical	3 (7.5)
Rheumatic valve disease	6 (15.0)
Mitral valve prolapse	1 (2.5)
Mitral annulus calcification	12 (30.0)
Heart failure	8 (20.0)
Atrial fibrillation	16 (40.0)
▪ Paroxysmal	5 (12.5)
▪ Persistent	1 (2.5)
▪ Permanent	10 (25.0)
Deep vein thrombosis	1 (2.5)
Pulmonary embolism	3 (7.5)
Stroke	6 (15)
Peripheral vascular disease	1 (2.5)
Aortic atherosclerosis	6 (15.0)
Atrial septal defect	0 (0)
Ventricular septal defect	0 (0)

Other congenital heart diseases	0 (0)
Atrial myxoma	0 (0)
Other intracardiac masses	0 (0)
Other medical conditions	
Chronic kidney disease	3 (7.5)
Creatinine level (mg/dL)	1.0 ± 0.3
Active neoplasms*	7 (17.5)
Autoimmune diseases [‡]	3 (7.5)

*Meningioma (2 cases), breast adenocarcinoma, lung adenocarcinoma, melanoma, pancreatic adenocarcinoma, and acute promyelocytic leukemia.

[‡]Rheumatoid arthritis, leukocytoclastic vasculitis, and autoimmune thyroiditis.

Table 2 of the supplementary data. Culprit lesion locations

Proximal LAD	1 (2.5)
Left anterior descending coronary artery	13 (32.5)
• Proximal	5 (38.5)
• Medium	5 (38.5)
• Multisegment	3 (23.1)
Left circumflex artery	9 (22.5)
• Proximal	1 (11.1)
• Medium	1 (11.1)
• Distal	5 (55.6)
• Multisegment	2 (22.2)
Right coronary artery	10 (25.0)
• Proximal	2 (20.0)
• Medium	5 (50.0)
• Distal	3 (30.0)
Proximal left anterior descending and left circumflex arteries	2 (5.0)
Left anterior descending and right coronary arteries	0 (0)
Left circumflex and right coronary arteries	0 (0)
Proximal diagonal	1 (2.5)
Other vessels	4 (10.0)
• Medium	1 (25.0)
• Distal	2 (50.0)
• Multisegment	1 (25.0)

Table 3 of the supplementary data. Percutaneous coronary intervention details

TIMI grade flow before wire pass	
• 0	25 (62.5)
• 1	1 (2.5)
• 2	2 (5.0)
• 3	12 (30.0)
TIMI grade flow after wire pass*	
• 0	27 (69.2)
• 1	3 (7.7)
• 2	2 (5.1)
• 3	7 (18.0)
Balloon angioplasty	7 (17.5)
Thrombus aspiration	29 (72.5)
Stent implantation	0 (0)
Final TIMI grade flow	
• 0	4 (10.0)
• 1	0 (0)
• 2	5 (12.5)
• 3	32 (77.5)

TIMI, Thrombolysis in Myocardial Infarction.

*In 1 case with early TIMI grade-3 flow, the wire could not be passed.

Table 4 of the supplementary data. Antithrombotic treatment.

At presentation	
ASA	3 (7.5)
iP2Y ₁₂	0 (0)
Warfarin	10 (25.0)
NOAC	2 (5.0)
ASA + warfarin	1 (2.5)
ASA + NOAC	0 (0)
After PCI	
ASA	7 (17.5)
iP2Y ₁₂ *	0 (0)
ASA + iP2Y ₁₂ *	13 (32.5)
Warfarin	3 (7.5)
NOAC	1 (2.5)
ASA + warfarin	6 (15.0)
ASA + NOAC	1 (2.5)
ASA + enoxaparin	1 (2.5)
ASA + iP2Y ₁₂ * + warfarin	1 (2.5)
ASA + iP2Y ₁₂ * + NOAC	1 (2.5)
ASA + P2Y ₁₂ + enoxaparin	3 (7.5)

ASA, acetylsalicylic acid; iP2Y₁₂, P2Y₁₂ receptor inhibitors; NOAC, novel oral anticoagulants; PCI, percutaneous coronary intervention.

*Clopidogrel in all cases.