

Supplementary Online Content

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eTable 1. Clinical events at 30 days and 6 months

eTable 2. Characteristics of participants with and without MRI

This supplementary material has been provided by the authors to give readers additional information about their work.

eTable 1. Clinical events at 30 days and 6 months

	IABC (N=161)	SOC (N=176)	P Value
30-day clinical events			
Death	3 (1.9*)	7 (4.0*)	0.26*
Death/recurrent MI/ new or worsening CHF	10 (6.3*)	15 (8.6*)	0.44*
Death/shock/new or worsening CHF†	8 (5.0*)	17 (9.7*)	0.11*
Stroke	3 (1.9)	1 (0.6)	0.35
Major bleed per GUSTO 1 definition/transfusion	5 (3.1)	3 (1.7)	0.49
Vascular complications	7 (4.3)	2 (1.1)	0.09
Major limb ischemia requiring operative intervention	0	0	
Distal embolization	0	0	
Major dissection	2 (28.6)	0	
Pseudoaneurysm or AV fistula	3 (42.9)	2 (100.0)	
Hematoma >5 cm‡	3 (42.9)	0	
6-month clinical events			
Death	3 (1.9*)	9 (5.2*)	0.12*
Death/recurrent MI/new or worsening CHF	10 (6.3*)	19 (10.9*)	0.15*
Death/shock/new or worsening CHF†	8 (5.0*)	21 (12.0*)	0.03*
Stroke	3 (1.9)	1 (0.6)	0.35
Major bleed per GUSTO 1 definition/transfusion	5 (3.1)	4 (2.3)	0.74
Vascular complications	7 (4.3)	3 (1.7)	0.20

*From KM curves and log-rank test.

†Exploratory analysis.

‡One patient had a hematoma occur in the non-IABC limb. The remaining vascular complications in the IABC arm of the study were reported to have occurred in the IABC limb.

AV indicates arteriovenous; CHF, congestive heart failure; IABC, intra-aortic balloon counterpulsation; MI, myocardial infarction; SOC, standard of care.

eTable 2. Characteristics of participants with and without MRI

	Participants with MRIs (N=275)	Participants without MRIs (N=62)	All Patients (N=337)
Age, yrs			
Mean (SD)	56.2 (12.19)	60.4 (13.23)	57.0 (12.47)
Median (25th , 75th)	55.8 (48.3, 63.8)	62.4 (49.9, 72.4)	56.6 (48.4, 65.6)
Sex, no. (%)			
Male	222 (80.7)	54 (87.1)	276 (81.9)
Female	53 (19.3)	8 (12.9)	61 (18.1)
Ethnicity, no. (%)			
Hispanic or Latino	7 (2.5)	3 (4.8)	10 (3.0)
Not Hispanic or Latino	268 (97.5)	59 (95.2)	327 (97.0)
Race, no. (%)			
American Indian or Alaska Native	1 (0.4)	0 (0.0)	1 (0.3)
Asian	126 (45.8)	26 (41.9)	152 (45.1)
Black or African American	13 (4.7)	3 (4.8)	16 (4.7)
Native Hawaiian or other Pacific Islanders	0 (0.0)	0 (0.0)	0 (0.0)
White	128 (46.5)	33 (53.2)	161 (47.8)
Multiple	0 (0.0)	0 (0.0)	0 (0.0)
Other	7 (2.5)	0 / 62 (0.0)	7 (2.1)
Height, cm			
N (missing)	274 (1)	62 (0)	336 (1)
Mean (SD)	170.0 (9.80)	170.8 (10.59)	170.1 (9.94)
Median (25th , 75th)	170.0 (163.0, 176.0)	170.6 (163.0, 179.0)	170.0 (163.0, 177.0)
Weight, kg			
N (missing)	275 (0)	62 (0)	337 (0)

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	Participants with MRIs (N=275)	Participants without MRIs (N=62)	All Patients (N=337)
Mean (SD)	76.8 (15.31)	81.2 (22.02)	77.6 (16.80)
Median (25th , 75th)	74.0 (65.0, 86.0)	77.0 (69.0, 89.0)	75.0 (65.0, 86.4)
Systolic blood pressure, mm Hg			
N (missing)	275 (0)	62 (0)	337 (0)
Mean (SD)	135.1 (25.30)	137.6 (27.93)	135.6 (25.78)
Median (25th , 75th)	130.0 (118.0, 150.0)	135.5 (118.0, 156.0)	131.0 (118.0, 150.0)
Diastolic blood pressure (mmHg)			
N (missing)	275 (0)	62 (0)	337 (0)
Mean (SD)	83.4 (16.14)	84.6 (17.81)	83.6 (16.44)
Median (25th , 75th)	80.0 (70.0, 93.0)	80.5 (75.0, 90.0)	80.0 (70.0, 92.0)
Degree of ST elevation in anterior leads, no. (%)			
0-<2 mm	0 (0.0)	0 (0.0)	0 (0.0)
2-<4 mm	1 (0.4)	0 (0.0)	1 (0.3)
4-<6 mm	110 (40.0)	25 (40.3)	135 (40.1)
≥6 mm	164 (59.6)	37 (59.7)	201 (59.6)
Inferior ST elevation, no. (%)	17 (6.2)	6 (9.7)	23 (6.8)
Infarct-related artery, no. (%)			
LM	0 (0.0)	0 (0.0)	0 (0.0)
LAD	270 (98.2)	58 (95.1)	328 (97.6)
LCX	0 (0.0)	0 (0.0)	0 (0.0)
RCA	1 (0.4)	0 (0.0)	1 (0.3)
No IRA identified	4 (1.5)	3 (4.9)	7 (2.1)
Maximum % LM stenosis, no. (%)			
100 %	1 (0.4)	0 (0.0)	1 (0.3)

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	Participants with MRIs (N=275)	Participants without MRIs (N=62)	All Patients (N=337)
75–99%	0 (0.0)	1 (1.6)	1 (0.3)
50–74%	3 (1.1)	2 (3.3)	5 (1.5)
1–49%	30 (11.0)	8 (13.1)	38 (11.4)
0%	239 (87.5)	50 (82.0)	289 (86.5)
Maximum % LAD stenosis, no. (%)			
100 %	182 (66.2)	29 (47.5)	211 (62.8)
75–99%	87 (31.6)	28 (45.9)	115 (34.2)
50–74%	2 (0.7)	2 (3.3)	4 (1.2)
1–49%	2 (0.7)	0 (0.0)	2 (0.6)
0%	2 (0.7)	2 (3.3)	4 (1.2)
Maximum % LCX stenosis, no. (%)			
100 %	5 (1.8)	2 (3.3)	7 (2.1)
75–99%	21 (7.7)	6 (9.8)	27 (8.1)
50–74%	25 (9.1)	8 (13.1)	33 (9.9)
1–49%	84 (30.7)	16 (26.2)	100 (29.9)
0%	139 (50.7)	29 (47.5)	168 (50.1)

IRA indicates infarct related artery; LAD, left anterior descending; LCX, left circumflex; LM, left main; MRI, magnetic resonance imaging; RCA, right coronary artery; SD, standard deviation.