

## Supplementary Online Content

Patel MR, Smalling RW, Thiele H, et al. Intra-aortic balloon counterpulsation and infarct size in patients with acute anterior myocardial infarction without shock: the CRISP AMI randomized trial. *JAMA*. 2011;306(12):doi:10.1001/jama.2011.1280.

**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**

	<b>IABC (N=161)</b>	<b>SOC (N=176)</b>	<b>P Value</b>
<b>30-day clinical events</b>			
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	
<b>6-month clinical events</b>			
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

	<b>Participants with MRIs (N=275)</b>	<b>Participants without MRIs (N=62)</b>	<b>All Patients (N=337)</b>
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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	<b>Participants with MRIs (N=275)</b>	<b>Participants without MRIs (N=62)</b>	<b>All Patients (N=337)</b>
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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	<b>Participants with MRIs (N=275)</b>	<b>Participants without MRIs (N=62)</b>	<b>All Patients (N=337)</b>
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)
<b>Maximum % LAD stenosis, no. (%)</b>			
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)
<b>Maximum % LCX stenosis, no. (%)</b>			
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.