

## Supplementary Online Content

Farhan S, Vogel B, Montalescot G, et al. Association of culprit lesion location with outcomes of culprit-lesion-only vs immediate multivessel percutaneous coronary intervention in cardiogenic shock. *JAMA Cardiol*. Published online August 26, 2020. doi:10.1001/jamacardio.2020.3377

**eTable 1.** Baseline clinical and procedural characteristics in patients with left main or proximal left anterior descending artery culprit lesion versus other culprit lesion location

**eTable 2.** Multivariate adjusted analysis for risk of 30-day and 1-year endpoints in patients with left main or proximal left anterior descending artery culprit lesion versus other culprit lesion location

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

**Supplementary Table 1.** Baseline clinical and procedural characteristics in patients with left main or proximal left anterior descending artery culprit lesion versus other culprit lesion location.

Characteristic	LM/pLAD (n=229)	Other culprit lesion locations (n=456)	P-value
Age, years	69 (59, 78)	70 (61, 78)	0.37
Male sex	79 (181/229)	75.2 (343/456)	0.27
Current smoking	27.4 (61/223)	25.9 (113/436)	0.69
Hypertension	54 (121/224)	63.5 (285/449)	0.018
Hypercholesterinemia	31.8 (71/223)	35.1 (157/447)	0.40
Diabetes mellitus	33.5 (75/224)	32 (143/447)	0.70
Family hx of coronary artery disease	11 (24/219)	13 (56/430)	0.45
Previous myocardial infarction	16.1 (36/224)	17.1 (77/449)	0.72
Previous PCI	15.6 (35/224)	20.5 (92/449)	0.13
Previous CABG surgery	2.2 (5/224)	6.2 (28/453)	0.025
Previous congestive heart failure	10.3 (23/224)	8 (36/452)	0.32
Previous stroke	8.9 (20/225)	6.2 (28/451)	0.20
Resuscitation before randomization	53.3 (122/229)	53.7 (244/454)	0.91
ST-segment elevation myocardial infarction	59.9 (133/222)	63.6 (281/442)	0.36
Mean arterial pressure, mmHg	77 (63, 93)	75 (63, 93)	0.72
Creatinine clearance ml/min	62 (41, 97)	66 (43, 92)	0.34
Number of affected vessels			0.49
1	0.4 (1/229)	0.9 (4/456)	
2	34.5 (79/229)	36.6 (167/456)	
3	65.1 (149/229)	62.5 (285/456)	
≥1 Chronic total occlusion	25.3 (58/229)	21.7 (99/456)	0.29
Left ventricular ejection fraction, %	30 (25, 40)	35 (25, 45)	0.047
Arterial access			
Femoral	79.9 (183/229)	83.6 (381/456)	0.24
Radial	20.5 (47/229)	17.5 (80/456)	0.34
Brachial	0.9 (2/229)	0.2 (1/456)	0.22
TIMI III flow before culprit lesion PCI	19.8 (45/227)	16.9 (76/449)	0.040
TIMI flow III after culprit lesion PCI	81.1 (185/228)	87.8 (397/452)	0.030
Immediate PCI of additional lesions	52.4 (120/229)	51.1 (233/456)	0.75
Successful complete revascularization	71.4 (85/119)	73.6 (170/231)	0.75
Total contrast volume, ml	220 (158, 300)	220 (155, 300)	0.94
Total duration of fluoroscopy, min.	16 (9, 26)	16 (10, 24)	0.69
Mechanical circulatory support	34.5 (79/229)	25.2 (115/456)	0.011
Mechanical ventilation	83.7 (190/227)	80 (364/455)	0.24
Subsequent medication in those who survived until hospital discharge			

Statin	92.3 (96/104)	90.6 (231/255)	0.60
Beta-blocker	90.4 (94/104)	89.0 (227/255)	0.70
ACE/ARB	84.6 (88/104)	80.0 (204/255)	0.31
Aspirin	92.3 (96/104)	92.9 (237/255)	0.83
Clopidogrel	40.4 (42/104)	39.2 (100/255)	0.84
Prasugrel	26.9 (28/104)	31.0 (79/255)	0.45
Ticagrelor	31.7 (33/104)	34.9 (89/255)	0.56
Values are median (interquartile range) or % (n/N). ACE/ARB, angiotensin converting enzyme/angiotensin receptor blocker; PCI, percutaneous coronary intervention; CABG, coronary artery bypass graft surgery.			

**Supplementary Table 2:** Multivariate adjusted analysis for risk of 30-day and 1-year endpoints in patients with left main or proximal left anterior descending artery culprit lesion versus other culprit lesion location.

<b>Endpoints</b>	Odds ratios (95% CI)	P-value
Primary endpoint of death or renal replacement therapy	1.37 (0.98-1.90)	0.065
Death at 30 days	1.45 (1.04-2.02)	0.028
MI at 30 days	NA**	
Death or MI at 30 days	1.49 (1.07-2.08)	0.018
Death or MI or rehospitalization for heart failure at 1 year	1.43 (1.02-2.00)	0.036
Death or MI at 1 year	1.48 (1.06-2.06)	0.022
Death or rehospitalization for heart failure at 1 year	1.42 (1.01-1.98)	0.042
Death at 1 year	1.46 (1.05-2.04)	0.0257
MI at 1 year	NA***	
MI: myocardial infarction; NA not applicable; ** only 7 events, *** only 13 events		