

Supplementary

	LAD-caIMR $\leq$ 29.8 (n=70)	LAD-caIMR >29.8 (n=25)	P value
Composite end points	13 (18.6)	23 (92.0)	<0.001
HF-rehospitalization	1 (1.4)	21 (84.0)	<0.001
Device implantation	6 (9.2)	0 (0.0)	0.335
Heart transplantation	1 (1.5)	0 (0.0)	1.000
Death	5 (7.1)	2 (8.0)	1.000
	LCX-caIMR $\leq$ 25.5 (n=47)	LCX-caIMR >25.5 (n=48)	
Composite end points	9 (19.1)	27 (56.3)	<0.001
HF-rehospitalization	3 (6.4)	19 (39.6)	<0.001
Device implantation	3 (6.4)	3 (6.3)	1.000
Heart transplantation	0 (0.0)	1 (2.1)	1.000
Death	3 (6.4)	4 (8.3)	1.000
	RCA-caIMR $\leq$ 29.7 (n=62)	RCA-caIMR >29.7 (n=33)	
Composite end points	14 (22.6)	22 (66.7)	<0.001
HF-rehospitalization	7 (11.3)	15 (45.5)	<0.001
Device implantation	4 (6.5)	2 (6.1)	1.000
Heart transplantation	0 (0.0)	1 (3.0)	0.347
Death	4 (6.5)	3 (9.1)	0.691

**Figure S1** Clinical outcome stratified by the caIMR of 3 coronary arteries. HF, heart failure; LCX-caIMR, coronary angiographic index of microcirculatory resistance for left circumflex artery; RCA-caIMR, coronary angiographic index of microcirculatory resistance for right coronary artery.