

SUPPLEMENTAL MATERIAL: ONLINE APPENDICES A AND B

Online Appendix A Comparison of baseline characteristics and prescribing patterns between patients completing and dropping out the follow-up

Patient characteristic	Patient completing the follow-up (N = 512)		Patient dropping out the follow-up (N = 98)		p-value ^a
Baseline characteristics					
<i>General characteristics</i>					
Age, median (IQR) years	68	(59; 79)	69	(59; 76.5)	0.928 ^b
Age ≥ 65, n (%)	298	(58.2)	62	(63.3)	0.351
Male, n (%)	280	(54.7)	53	(54.1)	0.912
Health insurance, n (%)	408	(79.7)	84	(85.7)	0.166
Length of hospital stay, median (IQR) days	9	(7; 12)	10	(7; 12)	0.831 ^b
<i>CAD risk factors</i>					
CAD family history, n (%)	29	(5.7)	5	(5.1)	0.824
Hypertension, n (%)	411	(80.3)	83	(84.7)	0.307
Diabetes, n (%)	119	(23.2)	30	(30.6)	0.120
Dyslipidemia, n (%)	127	(24.8)	21	(21.4)	0.475
Smoking, n (%)	196	(38.3)	16	(16.3)	<0.001
Number of CAD risk factors, median (IQR)	2	(1; 2)	2	(1; 2)	0.174 ^b
<i>Medical history and comorbidities, n (%)</i>					
Prior MI/stroke	150	(29.3)	28	(28.6)	0.885
Prior PCI/CABG	19	(3.7)	3	(3.1)	0.752
Prior heart failure	137	(25.8)	26	(26.5)	0.877
Peptic ulcer	197	(38.5)	30	(30.6)	0.140
Asthma/COPD	22	(4.3)	4	(4.1)	1.000 ^c
<i>Hospital findings, n (%)</i>					
Killip class II-IV	61	(11.9)	11	(11.2)	0.846
eGFR < 60 mL/min/1.73 m ²	223	(43.6)	38	(38.8)	0.381
eGFR < 30 mL/min/1.73 m ²	29	(5.7)	9	(9.2)	0.187
Heart rate < 60 beats/min	30	(5.9)	6	(6.1)	0.919
SBP <100 mmHg	56	(10.9)	11	(11.2)	0.934
LVEF < 40%	57	(11.1)	13	(13.3)	0.544
AV Block II-III	7	(1.4)	3	(3.1)	0.207 ^c
AST/ALT increased	84	(16.4)	11	(11.2)	0.195
In-hospital GI bleeding	11	(2.1)	3	(3.1)	0.480 ^c
<i>Discharge diagnosis, n (%)</i>					
NSTEACS	351	(68.6)	69	(70.4)	0.717
STEACS	161	(31.4)	29	(29.6)	
<i>In-hospital revascularization procedure, n (%)</i>					
No PCI	384	(75.0)	82	(83.7)	0.064
PCI	128	(25.0)	16	(16.3)	
Prescribing patterns					
<i>In-hospital guideline adherence, n (%)</i>	242	(47.3)	40	(40.8)	0.241
<i>Type of guideline-recommended medications, n/N (%)</i>					
Antiplatelet agent	479/508	(94.3)	85/98	(86.7)	0.007
Beta-blocker	132/358	(36.9)	25/68	(36.8)	0.987
ACEI/ARB	397/442	(89.8)	68/82	(82.9)	0.070
Statin	402/432	(93.1)	75/87	(86.2)	0.033
<i>Number of guideline-recommended medications, n/N (%)</i>					
At least 2 medications	476/503	(94.6)	85/96	(88.5)	0.025
At least 3 medications	335/444	(75.5)	56/84	(66.7)	0.092
All 4 medications	89/281	(31.7)	17/57	(29.8)	0.784

Abbreviations: ACS, acute coronary syndrome; ACEI/ARB, angiotensin converting enzyme inhibitor or angiotensin receptor blocker; AST/ALT, aspartate aminotransferase or alanine aminotransferase; AV, atrial

ventricular; CABG, coronary artery bypass grafting; CAD, coronary artery disease; eGFR, estimated glomerular filtration rate; GI, gastrointestinal; LVEF, left ventricular ejection fraction; MI, myocardial infarction; NSTACS, non-ST-elevation acute coronary syndrome; PCI, percutaneous coronary intervention; SBP, systolic blood pressure; STEACS, ST-elevation acute coronary syndrome.

^aUsing Chi-square test if other tests were not mentioned.

^bUsing Mann-Whitney test.

^cUsing Fisher's exact test.

Online Appendix B Sensitivity analyses of the association between in-hospital guideline adherence and six-month major adverse outcomes

Data	Iteration	HR^a	95% CI	<i>p</i>-value
Original data	n/a	0.71	0.51-0.98	0.039
Multiple imputation of dropouts' censoring time and event occurrence	1	0.66	0.50-0.87	0.003
	2	0.73	0.56-0.96	0.022
	3	0.62	0.46-0.82	0.001
	4	0.69	0.50-0.94	0.020
	5	0.62	0.47-0.84	0.002
	Pooled	0.66	0.48-0.92	0.015
Excluding patients undergoing PCI	n/a	0.70	0.49-0.99	0.046
Excluding patients with prior heart failure	n/a	0.56	0.36-0.89	0.013
Excluding patients with renal insufficiency	n/a	0.56	0.35-0.92	0.021

Abbreviations: CI, confidence interval; HR, hazard ratio; PCI, percutaneous coronary intervention.

^aUsing multivariable backward stepwise Cox regression models. First model: variables entered at the first step: age, gender, number of CAD risk factors, prior MI/stroke, prior heart failure, Killip class II-IV, renal insufficiency, SBP <100 mmHg, LVEF < 40%, in-hospital guideline adherence, discharge diagnosis, PCI and health insurance. Second model: variables entered at the first step: in-hospital guideline adherence; percutaneous coronary intervention; prior heart failure; renal insufficiency; and interaction terms: in-hospital guideline adherence and percutaneous coronary intervention, in-hospital guideline adherence and prior heart failure, in-hospital guideline adherence and renal insufficiency.