Supplementary Online Content

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

	All participants reporting formulatio			
	of ASA used	Enteric coated ASA	Uncoated ASA	
Characteristic ^a	(N=10,678)	(N=7366)	(N=3312)	P value
Age (yrs)				<.0001
n	10678	7366	3312	
Median (25th, 75th)	68.0 (61.3, 73.7)	68.3 (61.8, 73.8)	67.2 (60.4, 73.3)	
Female	3393 (31.8%)	2304 (31.3%)	1089 (32.9%)	0.10
Randomized Dose				<.0001
81-mg	5374 (50.3%)	4074 (55.3%)	1300 (39.3%)	
325mg	5304 (49.7%)	3292 (44.7%)	2012 (60.7%)	
History of PAD				0.14
No	7980 (76.6%)	5539 (77.0%)	2441 (75.7%)	
Yes	2436 (23.4%)	1652 (23.0%)	784 (24.3%)	
Race				0.49
White	8965 (84.0%)	6218 (84.4%)	2747 (82.9%)	
Black or African American	900 (8.4%)	592 (8.0%)	308 (9.3%)	

	All participants reporting formulation				
	of ASA used	Enteric coated ASA	Uncoated ASA		
Characteristic ^a	(N=10,678)	(N=7366)	(N=3312)	P value	
Other	482 (4.5%) 331 (4.5%) 151 (4.6%)				
Prefer not to say or missing	331 (3.1%)	225 (3.1%)	106 (3.2%)		
Ethnicity				0.23	
Hispanic	270 (2.5%)	181 (2.5%) 89 (2.7%)			
Non-hispanic	10051 (94.2%)	6954 (94.4%)	3097 (93.6%)		
Did not respond	354 (3.3%)	231 (3.1%)	123 (3.7%)		
Current Smoker	1006 (9.4%)	640 (8.7%)	366 (11.1%)	0.0001	
Baseline P2Y ₁₂ inhibitor use	2300(22.0%)	1587(22.0%) 713(22.0%)		0.99	
EHR and Claims Information					
Weight (kg) (N)	9313	6451	2862		
Median (IQR)	90.0 (78.2, 103.6)	90.0 (78.2, 103.6) 90.0 (78.2, 103.6) 90.9 (78.6, 104.5)		0.09	
BMI (N)	9074	6293	2781		
Median (IQR)	30.0 (26.7, 34.2)	30.0 (26.7, 34.2) 30.0 (26.6, 34.1) 30.2 (26.9, 34.5)		0.03	
Atrial Fibrillation/Flutter	884 (8.5%)	611 (8.5%)	273 (8.5%)	0.96	

	All participants reporting formulation				
	of ASA used	Enteric coated ASA	Uncoated ASA		
Characteristic ^a	(N=10,678)	(N=7366)	(N=3312)	P value	
History of Bleeding [†]	894 (8.6%)	595 (8.3%)	299 (9.3%)	0.09	
Significant GI Bleed	661 (6.3%)	446 (6.2%)	215 (6.7%)	0.37	
History of ICH	155 (1.5%)	105 (1.5%)	50 (1.6%)	0.73	
History of bleeding disorder	126 (1.2%)	73 (1.0%)	53 (1.6%)	0.007	
Prior CABG	2525 (24.2%)	1763 (24.5%)	762 (23.6%)	0.33	
CHF	2392 (23.0%)	2392 (23.0%) 1646 (22.9%) 746 (23.1%)		0.79	
Chronic Kidney Disease	1835 (17.6%)	1265 (17.6%)	570 (17.7%)	0.92	
COPD	1938 (18.6%)	1329 (18.5%)	609 (18.9%)	0.63	
Diabetes	3988 (38.3%)	2696 (37.5%)	1292 (40.1%)	0.01	
Hypertension	8873 (85.2%) 6147 (85.5%) 2726 (84.5%)		2726 (84.5%)	0.20	
- Hyperlipidemia	9232 (88.6%) 6426 (89.4%)		2806 (87.0%)	<0.001	
Prior MI	3739(35.9%)	3739(35.9%) 2547 (35.4%) 1192 (37.0%)		0.13	
Peptic Ulcer Disease	312 (3.0%)	211 (2.9%)	101 (3.1%)	0.58	
PCI/CABG	5648 (54.2%)	3911 (54.4%)	1737 (53.9%)	0.62	

eTable 1. Demographic and Presenting Characteristics, Medical History, and Medications by Aspirin Formulation Regardless of Dose

	All participants reporting formulation	on		
	of ASA used	Enteric coated ASA	Uncoated ASA	
Characteristic ^a	(N=10,678)	(N=7366)	(N=3312)	P value
Prior Aspirin Use	10275 (96.2%)	7127 (96.8%)	3148 (95.0%)	<.0001
Prior Aspirin Dose				<.0001
81-mg	8714 (84.9%)	6125 (86.0%)	2589 (82.5%)	
162 mg	250 (2.4%)	179 (2.5%)	71 (2.3%)	
325 mg	1295 (12.6%)	815 (11.4%)	480 (15.3%)	
Other	16 (0.2%)	8 (0.1%)	8 (0.3%)	
ARM	2767(38.4%)	2767(38.4%)	1137(35.1%)	<0.002

^a All values n (CIR%) except as noted

ARM – acid reducing medication, ASA – aspirin, BMI - body mass index, CABG – coronary artery bypass graft surgery, CHF – congestive heart failure, COPD – chronic obstructive pulmonary disease, EHR – electronic health record, GI – gastrointestinal, ICH – intracranial hemorrhage, MI – myocardial infarction, PAD – peripheral arterial disease, PCI – percutaneous coronary intervention

^b History of bleeding includes GI Bleed, ICH and Bleeding disorder

eTable 2. Clinical End Points by Aspirin Formulation [Adjusted] Regardless of Dose						
	Uncoated Coated ASA	Enteric Coated ASA	Adjusted Cox Model			
	Event (CI rate %)	Event (CI rate %)	HR (95% CI)	P Value		
Death/MI/Stroke	266 (7.9%)	543 (6.8%)	0.94 (0.80, 1.09)	0.40		
All-cause mortality	155 (4.3%)	301 (3.7%)	0.91 (0.75, 1.11)	0.35		
MI	101 (3.4%)	219 (2.9%)	0.99 (0.78, 1.26)	0.94		
Stroke	43 (1.2%)	90 (1.2%)	0.93 (0.64, 1.35)	0.69		
Major Bleeding	24 (0.7%)	45 (0.6%)	0.82 (0.49, 1.37)	0.46		
PCI or CABG	195 (6.4%)	477 (6.4%)	1.10 (0.92, 1.30)	0.29		
TIA	4 (0.1%)	24 (0.3%)	2.61 (0.90, 7.54)	0.08		
GI Bleed	54 (1.5%)	88 (1.2%)	0.72 (0.51, 1.02)	0.06		

Cumulative Incidence is reported at 26.2 months from randomization [the median follow up time for all-cause mortality in Adaptable]. Primary endpoint, nonfatal MI, all-cause mortality and revascularization adjustment measures are randomized treatment, age, current smoking, randomized follow up strata, no internet use at randomization, race, ethnicity, history of CAD, MI, CABG, PCI, CVD, hypertension, hyperlipidemia, atrial fibrillation, CHF, PAD, prior aspirin use, diabetes, history of bleeding, BMI, and baseline P2Y₁₂ inhibitor use.

Stroke, TIA and GI bleeding adjustment measures are randomized treatment, age, current smoking, ethnicity, race, history of CAD, CVD, hypertension, hyperlipidemia, atrial fibrillation, CHF, PAD, diabetes, prior aspirin use, baseline P2Y₁₂, diabetes, history of bleeding, and BMI.

ASA - aspirin, BMI – body mass index, CAD – coronary artery disease, CABG - coronary artery bypass grafting, CVD – cardiovascular disease, GI – gastrointestinal, MI – myocardial infarction, PAD - peripheral arterial disease, TIA – transient ischemic attack

eTable 3. Interaction of Acid Reducing Medication and Aspirin Formulation Type Regardless of Aspirin Dose on the Cumulative Incidence of Study End Points

	Enteric coated Aspirin	Uncoated Aspirin	Adjusted Cox model	
	Event (CI rate %)	Event (CI rate %)	Interaction P Value	
Death/MI/stroke	543 (6.8%)	266 (7.9%)	0.55	
All-cause mortality	301 (3.7%)	155 (4.3%)	0.75	
MI	219 (2.9%)	101 (3.4%)	0.49	
Stroke	90 (1.2%)	43 (1.2%)	0.10	
Major bleeding	45 (0.6%)	24 (0.7%)	0.52	
PCI or CABG	477 (6.4%)	195 (6.4%)	0.45	
TIA	24 (0.3%)	4 (0.1%)	0.91	
GI bleed	88 (1.2%)	54 (1.5%)	0.64	

CI reported at 26.2 months from randomization (median follow-up time for all-cause mortality in ADAPTABLE)

Primary endpoint, MI, all-cause mortality, and revascularization adjustment measures are randomized treatment, age, current smoking, randomized follow-up strata, no internet use at randomization, race, ethnicity, history of CAD, MI, CABG, PCI, CVD, hypertension, hyperlipidemia, atrial fibrillation, CHF, PAD, prior aspirin use, BMI, and baseline P2Y₁₂ inhibitor.

Major bleeding adjustment measures are randomized treatment, diabetes, age, sex, hypertension, baseline P2Y₁₂ inhibitor, and BMI.

Stroke, TIA, and GI bleeding adjustment measures are randomized treatment, age, current smoking, ethnicity, race, history of CAD, CVD, hypertension, hyperlipidemia, atrial fibrillation, CHF, PAD, diabetes, prior aspirin use, baseline P2Y₁₂ inhibitor, and BMI.

ASA – aspirin, BMI - body mass index, CAD - coronary artery disease, CABG – coronary artery bypass graft surgery, CHF – congestive heart failure, CI – cumulative incidence, COPD – chronic obstructive pulmonary disease, CVD – cardiovascular disease, EHR – electronic health record, GI – gastrointestinal, ICH – intracranial hemorrhage, MI – myocardial infarction, PAD – peripheral arterial disease, PCI – percutaneous coronary intervention

	Taking 81 mg rate (N)		Unadjusted N	1odel	Adjusted Model	
		Taking 325 mg rate (N)	HR (95% CI)	P Value	HR (95% CI)	P Value
Primary Endpoint [Death,MI,Stroke] Overall interaction p value				0.85		0.87
Enteric coated	3.7 (340)	2.8 (129)	1.30 (1.06, 1.60)	0.01	1.27 (1.03, 1.55)	0.02
Uncoated	3.8 (141)	3.2 (66)	1.16 (0.87, 1.56)	0.32	1.12 (0.83, 1.50)	0.45
All Cause Death: Overall interaction p value				0.96		0.95
Enteric coated	1.9 (183)	1.4 (67)	1.28 (0.97, 1.70)	0.08	1.22 (0.92, 1.61)	0.17
Uncoated	2.3 (88)	1.5 (31)	1.47 (0.98, 2.22)	0.06	1.38 (0.91, 2.08)	0.12
Primary Safety Endpoint [Major bleeding]:				0.86		0.88

Rates and HR reflect the effect of the time-varying reported dose on the end point. Rates are calculated as annualized event rates (events per 100 patient-years).

0.3 (13)

0.2 (4)

1.02 (0.52, 1.99)

1.83 (0.60, 5.63)

0.95

0.29

Adjustment model includes age, race, ethnicity, prior aspirin dose, prior MI, prior PCI, history of atrial fibrillation, non-internet user at randomization, history of bleeds, and baseline P2Y₁₂ use.

0.28 (26)

0.35 (13)

CI – confidence interval, HR- hazard ratio, MI – myocardial infarction, N - number

Overall interaction p value

Enteric coated

Uncoated

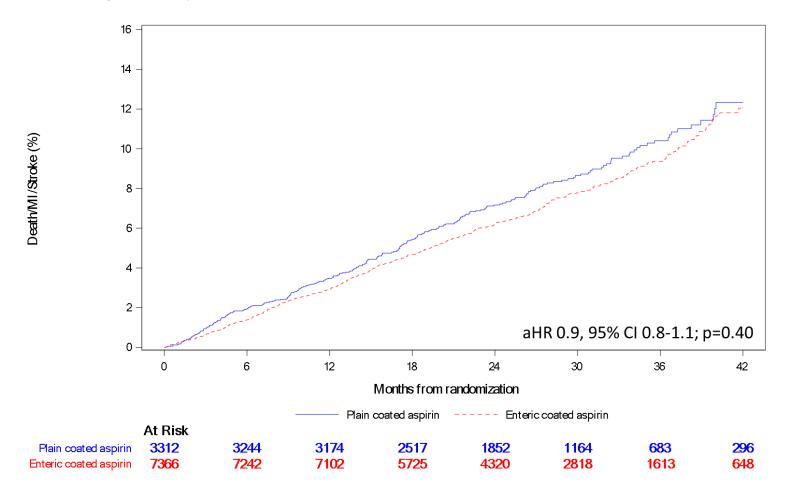
1.04 (0.53, 2.02)

1.79 (0.58, 548)

0.92

0.32

eFigure 1. Cumulative Incidence of the Primary End Point (All-Cause Death, Myocardial Infarction, or Stroke) by EC-ASA and Uncoated (Plain Coated) ASA Regardless of Aspirin Dose



eFigure 2. Cumulative Incidence Function of Major Bleeding by EC-ASA and Uncoated (Plain Coated) ASA Regardless of Aspirin Dose

