Supplemental Material

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	DF	Parameter Estimate	Standard error	X^2	p-value	HR
Table S1. Selection Procedure Model Results						
Treatment=warfarin (among those under 60)	1	-0.456	0.143	10.187	0.001	0.634
Treatment=warfarin (among those 60 or older)	1	0.540	0.182	8.785	0.003	1.087
Gender=female	1	-0.519	0.127	16.682	<0.001	0.595
BUN (mg/dL - centered at mean)	1	0.017	0.004	15.289	<0.001	1.017
Ejection Fraction (% - centered at mean)	1	-0.024	0.006	13.896	<0.001	0.976
Six Minute Walk distance (m - centered at mean)	1	-0.001	0.000	11.715	0.001	0.999
Diabetes Mellitus	1	0.323	0.098	10.804	0.001	1.381
Hemoglobin (g/dL - centered at mean)	1	-0.103	0.033	9.484	0.002	0.902
Peripheral Vascular Disease	1	0.348	0.124	7.923	0.005	1.417
Diastolic BP (mmHg - centered at mean)	1	-0.010	0.004	5.505	0.02	0.990
BMI > 30	1	-0.200	0.110	3.324	0.07	0.818
BMI < 25	1	0.191	0.108	3.124	0.08	1.210
Age 60 years or older (among ASA patients)	1	0.137	0.131	1.092	0.30	1.146
Age 60 years or older (among WAR patients)	1	0.677	0.142	22.804	<0.001	1.968

Table S2A. Demographics and Baseline Characteristics for Patients under 60 years old.

	Warfarin (N=508)	Aspirin (N=522)
Age – yr	50 +/- 7.3	51 +/- 7.2
Male sex – %	406 (80.2%)	415 (79.8%)
Race – %*		
White, non-Hispanic	359 (70.9%)	367 (70.7%)
Black, non-Hispanic	99 (19.6%)	109 (21%)
Hispanic	33 (6.5%)	28 (5.4%)
Other	15 (3%)	15 (2.9%)
Height – cm	173 +/- 9.1	173 +/- 9.2
Weight – kg	91 +/- 21.6	91 +/- 21.9
BMI†	30 +/- 6.8	30 +/- 7
< 25	122 (24.3%)	113 (22%)
25-30	151 (30.1%)	177 (34.5%)
> 30	229 (45.6%)	223 (43.5%)
Blood pressure – mmHg		
Systolic	122 +/- 19.5	122 +/- 18.3
Diastolic	77 +/- 11.9	76 +/- 11.7
Pulse - bpm	75 +/- 11.7	74 +/- 13.1
Hypertension – %	283 (58.4%)	301 (58.8%)
Diabetes Mellitus – %	135 (26.7%)	128 (24.7%)
Atrial Fibrillation – %	10 (2%)	18 (3.5%)
Myocardial Infarction – %	187 (37%)	207 (40%)
Ischemic Cardiomyopathy – %	172 (34.1%)	185 (35.8%)

Smoking Status – %		
Current	134 (26.5%)	121 (23.3%)
Past	225 (44.6%)	246 (47.4%)
Never	146 (28.9%)	152 (29.3%)
Alcohol consumption (>2 oz./day) – %		
Current	116 (22.9%)	132 (25.4%)
Past	122 (24.1%)	133 (25.6%)
Never	268 (53%)	254 (48.9%)
Education – %		
Less than High School	183 (36.2%)	201 (38.9%)
HS Grad/ Some College	256 (50.6%)	223 (43.1%)
College Grad/Post Grad	67 (13.2%)	93 (18%)
NYHA Classification – %[‡]		
I	71 (14.1%)	65 (12.6%)
II	271 (53.8%)	293 (56.8%)
III	158 (31.3%)	148 (28.7%)
IV	4 (0.8%)	10 (1.9%)
Ejection Fraction (%)	24 +/- 7.1	24 +/- 7.4
6-Minute Walk (m) [§]	363 +/- 135.4	360 +/- 149.3
Prior Stroke or TIA – %	66 (13.1%)	56 (10.8%)
Modified Rankin Scale[‖]		
(all patients) – %		
0	206 (41%)	223 (43.1%)
1	162 (32.2%)	153 (29.5%)
2	119 (23.7%)	123 (23.7%)
3	14 (2.8%)	18 (3.5%)
4	2 (0.4%)	1 (0.2%)

Modified Rankin Scale[‖]		
(prior stroke/TIA) – %		
0	16 (24.6%)	15 (26.8%)
1	24 (36.9%)	20 (35.7%)
2	22 (33.8%)	17 (30.4%)
3	2 (3.1%)	4 (7.1%)
4	1 (1.5%)	0 (0.0%)
Medication Use – %[¶]		
Aspirin** [††]	247 (54.5%)	280 (59.6%)
Other antiplatelet**	8 (4.8%)	14 (8.4%)
Warfarin or other OAC[††]	38 (7.5%)	41 (7.9%)
ACE Inhibitor or ARB	499 (99.2%)	515 (99.2%)
Beta blocker	466 (92.6%)	477 (91.9%)
Aldosterone blocker**	196 (67.8%)	190 (67.4%)
Nitrate	104 (20.7%)	117 (22.5%)
Calcium channel blocker	44 (8.7%)	35 (6.7%)
Diuretic	419 (83.3%)	425 (81.9%)
Statin**	273 (80.5%)	291 (82.9%)
Device Use – %		
Pacemaker	51 (10.1%)	54 (10.4%)
Defibrillator	99 (19.6%)	100 (19.3%)

Plus-minus values are means ± SD. The difference between Warfarin and Aspirin in education was statistically significant at the alpha=0.05 level (p=0.027). Continuous variables were compared with Student's t-test. Binary categorical variables were compared using Fisher's Exact Test, and multi-category variables were compared using standard chi-squared tests.

* Race and ethnicity were self-reported separately, and were combined for presentation.

[†] Body-mass index (BMI) is weight in kilograms divided by the square of height in meters.

‡ The NYHA Classification groups HF patients according to extent of limitation during physical activity. Class I indicates no limitation; Class IV indicates severe limitation.

§ Six minute walk distances were available for 458/508 patients in the warfarin group and 478/522 patients in the aspirin group.

‖ Scores on the modified Rankin scale ranged from 0 to 4 on a scale of 0 to 6, with 0 indicating no symptoms and 6 indicating death. A score > 4 was a protocol exclusion.

¶ From the screening visit case report form.

** Not asked of all patients.

†† Prior to randomization.

Table S2B. Demographics and Baseline Characteristics for patients at least 60 years old.

Characteristic	Warfarin (N=634)	Aspirin (N=641)
Age – yr	69 +/- 6.7	69 +/- 6.3
Male sex – %	498 (78.5%)	521 (81.4%)
Race – %*		
White, non-Hispanic	498 (78.5%)	509 (79.5%)
Black, non-Hispanic	67 (10.6%)	57 (8.9%)
Hispanic	52 (8.2%)	53 (8.3%)
Other	17 (2.7%)	21 (3.3%)
Height – cm	170 +/- 9.3	171 +/- 9.1
Weight – kg	82 +/- 16.8	83 +/- 16.2
BMI†	28 +/- 4.9	28 +/- 4.9
< 25	172 (27.2%)	152 (23.9%)
25-30	275 (43.4%)	279 (43.9%)
> 30	186 (29.4%)	205 (32.2%)
Blood pressure – mmHg		
Systolic	125 +/- 19	126 +/- 18.2
Diastolic	72 +/- 10.9	73 +/- 10.7
Pulse - bpm	70 +/- 10.7	70 +/- 11.6
Hypertension – %	388 (62.7%)	395 (64.1%)
Diabetes Mellitus – %	236 (37.3%)	223 (35%)
Atrial Fibrillation – %	34 (5.4%)	24 (3.8%)
Myocardial Infarction – %	362 (57.3%)	356 (55.8%)
Ischemic Cardiomyopathy – %	316 (49.9%)	318 (49.8%)

Smoking Status – %		
Current	79 (12.5%)	74 (11.6%)
Past	356 (56.2%)	353 (55.2%)
Never	198 (31.3%)	212 (33.2%)
Alcohol consumption (>2 oz./day) – %		
Current	163 (25.7%)	161 (25.2%)
Past	128 (20.2%)	123 (19.2%)
Never	343 (54.1%)	355 (55.6%)
Education – %		
Less than High School	307 (48.4%)	301 (47.2%)
HS Grad/ Some College	231 (36.4%)	237 (37.1%)
College Grad/Post Grad	96 (15.1%)	100 (15.7%)
NYHA Classification – %[‡]		
I	79 (12.5%)	100 (15.7%)
II	350 (55.3%)	353 (55.4%)
III	193 (30.5%)	181 (28.4%)
IV	11 (1.7%)	3 (0.5%)
Ejection Fraction (%)	25 +/- 7.8	26 +/- 7.6
6-Minute Walk (m)[§]	332 +/- 154.9	353 +/- 155.1
Prior Stroke or TIA – %	89 (14.1%)	83 (13%)
Modified Rankin Scale[||]		
(all patients) – %		
0	257 (40.8%)	266 (41.6%)
1	191 (30.3%)	206 (32.2%)
2	143 (22.7%)	143 (22.4%)
3	32 (5.1%)	22 (3.4%)
4	7 (1.1%)	2 (0.3%)

Modified Rankin Scale[‖]		
(prior stroke/TIA) – %		
0	24 (27%)	23 (27.7%)
1	26 (29.2%)	23 (27.7%)
2	26 (29.2%)	31 (37.3%)
3	10 (11.2%)	5 (6%)
4	3 (3.4%)	1 (1.2%)
Medication Use – %[¶]		
Aspirin** [††]	364 (61.3%)	352 (58.6%)
Other antiplatelet**	24 (9.2%)	26 (8.8%)
Warfarin or other OAC[††]	52 (8.2%)	48 (7.5%)
ACE Inhibitor or ARB	619 (97.8%)	624 (97.8%)
Beta blocker	560 (88.5%)	559 (87.5%)
Aldosterone blocker**	210 (55.7%)	217 (54.7%)
Nitrate	180 (28.4%)	142 (22.2%)
Calcium channel blocker	56 (8.9%)	68 (10.7%)
Diuretic	506 (79.9%)	505 (79%)
Statin**	417 (85.5%)	413 (82.6%)
Device Use – %		
Pacemaker	90 (14.2%)	90 (14.1%)
Defibrillator	113 (17.9%)	106 (16.6%)

Plus-minus values are means ± SD. Continuous variables were compared with Student's t-test. Binary categorical variables were compared using Fisher's Exact Test, and multi-category variables were compared using standard chi-squared tests. The differences between warfarin and aspirin were significant at the alpha=0.05 level for six minute walk distance (p=0.020) and nitrate use (p=0.012).

[*]   Race and ethnicity were self-reported separately, and were combined for presentation.

[†]   Body-mass index (BMI) is weight in kilograms divided by the square of height in meters.

‡ The NYHA Classification groups HF patients according to extent of limitation during physical activity. Class I indicates no limitation; Class IV indicates severe limitation.

§ Six minute walk distances were available for 573/634 patients in the warfarin arm and 593/641 patients in the aspirin arm.

‖ Scores on the modified Rankin scale ranged from 0 to 4 on a scale of 0 to 6, with 0 indicating no symptoms and 6 indicating death. A score > 4 was a protocol exclusion.

¶ From the screening visit case report form.

** Not asked of all patients.

†† Prior to randomization.