Supplemental Online Content

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eTable 1. Baseline Characteristics by Intervention Status (Per Unique Artery)
eTable 2. Predictors of Ipsilateral Acute Ischemic Stroke With Cox Regression Analysis

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

eTable 1. Baseline Characteristics by Intervention Status (Per Unique Artery)

Characteristics	Entire Cohort N=4230 (100)	Asymptomatic Intervention n=1691 (40)	No Intervention n=2539 (60)	P value[a]
Male, No. (%)	2428 (57.4)	1088 (64.3)	1340 (52.8)	<0.001
Age, year, mean (SD)	73.8 (9.5)	71.5 (8.6)	75.3 (9.8)	<0.001
White, No. (%)	3099 (73.3)	1287 (76.8)	1812 (71.0)	<0.001
Race/Ethnicity[b], No. (%)				<0.001
White	3099 (73.3)	1297 (76.7)	1802 (71.0)	
Asian	246 (5.8)	82 (4.9)	164 (6.5)	
Black	178 (4.2)	54 (3.2)	124 (4.9)	
Hispanic	406 (9.6)	154 (9.1)	252 (9.9)	
Other	301 (7.1)	104 (6.2)	197 (7.8)	
Systolic blood pressure, mmHg, mean (SD)	130.8 (19.1)	131.1 (18.1)	130.6 (19.8)	0.41
Diastolic blood pressure, mmHg, mean (SD)	68.2 (11.2)	69.3 (10.7)	67.5 (11.2)	<0.001
Blood pressure < 140/90, No. (%)	3132 (74.0)	1263 (74.7)	1869 (73.6)	0.43
Creatinine, mg/dL, mean (SD)	1.2 (0.9)	1.1 (0.6)	1.3 (1.0)	<0.001
High-density lipoprotein, mean (SD)	46.4 (12.8)	46.0 (12.3)	46.7 (13.0)	0.07
Low-density lipoprotein, mean (SD)	93.5 (33.4)	96.4 (34.6)	91.5 (32.4)	<0.001
Hematocrit, mean (SD)	38.5 (4.9)	39.5 (4.4)	37.8 (5.1)	<0.001
Triglyceride, mean (SD)	147.8 (91.7)	151.2 (88.7)	145.5 (93.6)	0.04
High grade carotid stenosis, No. (%)	473 (11.2)	249 (14.7)	224 (8.8)	<0.001
Contralateral disease, No. (%)				0.001
Normal[c]	1870 (44.2)	813 (48.1)	1057 (41.6)	
Moderate	1185 (28.0)	434 (25.7)	751 (29.6)	
Severe	1002 (23.7)	381 (22.5)	621 (24.5)	
Occluded	173 (4.1)	63 (3.7)	110 (4.3)	
Remote history of stroke[d], No. (%)	81 (1.9)	23 (1.4)	58 (2.3)	0.03
Coronary artery disease, No. (%)	186 (4.4)	59 (3.5)	127 (5.0)	0.02
Diabetes, No. (%)	909 (21.5)	324 (19.2)	585 (23.0)	0.003

Characteristics	Entire Cohort N=4230 (100)	Asymptomatic Intervention n=1691 (40)	No Intervention n=2539 (60)	P value[a]
Chronic obstructive pulmonary disease, No. (%)	39 (0.9)	10 (0.6)	29 (1.1)	0.07
Peripheral arterial disease, No. (%)	208 (4.9)	83 (4.9)	125 (4.9)	0.98
Atrial fibrillation, No. (%)	93 (2.2)	29 (1.7)	64 (2.5)	0.08
Hypertension, No. (%)	697 (16.5)	271 (16.0)	426 (16.8)	0.52
COPS2, median (IQR)	27 (10-50)	21 (10-39)	33 (14-59)	<0.001
BMI, kg/m^2, mean (SD)	27.8 (5.5)	28.2 (5.2)	27.5 (5.6)	<0.001
Smoking history, No. (%)				<0.001
Never	1103/3758 (29.4)	392/1513 (26.1)	710/2245 (31.6)	
Current	516/3758 (13.7)	233/1513 (15.4)	283/2245 (12.6)	
Former	2139/3758 (56.9)	887/1513 (58.6)	1252/2245 (55.8)	

SD, standard deviation; COPS2, comorbidity point score2; IQR, interquartile range.

[a] Comparisons between 2 surgical routes tested using χ2 tests for categorical variables and independent two-sample t-tests for all continuous variables but COPS2 which was compared using Mann-Whitney U (Wilcoxon rank-sum) test.

[b] Race/Ethnicity data was patient self-reported: Asian was defined as non-Hispanic/Latinx Asian including Pacific Islanders and Native Hawaiian; Black was defined as non-Hispanic/Latinx African Americans; Hispanic/Latinx included any races; White was defined as non-Hispanic/Latinx Caucasian; Other was defined as non-Hispanic/Latinx American Indians, Alaskan Natives, more than race, and unknown (n = 4).

[c] Including 11 carotid arteries with unknown stenosis.

[d] Defined as any stroke occurred more than 6 months prior to the index study found in the electronic health record.

eTable 2. Predictors of Ipsilateral Acute Ischemic Stroke With Cox Regression Analysis

Demographic/Clinical Characteristic	Unadjusted Hazard Ratio (95% Confidence Interval)	Adjusted Hazard Ratio (95% Confidence Interval)	*P* value
At baseline			
Age (per additional 10 years)	1.27 (1.05-1.54)	1.25 (1.02-1.53)	0.03
Male	0.72 (0.51-1.02)	0.76 (0.53-1.09)	0.14
High grade carotid stenosis	1.62 (1.00-2.64)	1.73 (1.06-2.84)	0.03
Contralateral disease			
Normal	1 (reference)	--	--
Moderate	0.88 (0.58-1.35)	--	--
Severe	0.98 (0.64-1.50)	--	--
Occluded	1.76 (0.84-3.69)	--	--
History of contralateral acute ischemic stroke	3.06 (1.84-5.09)	2.81 (1.63-4.84)	<0.001
History of contralateral transient ischemic attack	0.75 (0.19-3.02)	--	--
COPS2 (per additional 10 points)	1.06 (1.01-1.11)	1.01 (0.95-1.07)	0.77
BMI, kg/m^2 (per 5 kg/m^2)	1.04 (0.89-1.21)	--	--
Systolic BP, mmHg (per additional 10 mmHg)	1.08 (0.99-1.17)	1.10 (1.00-1.21)	0.06
Diastolic BP, mmHg (per additional 10 mmHg)	0.95 (0.81-1.11)	0.89 (0.74-1.07)	0.21
HCT (per additional 10 points)	0.94 (0.66-1.33)	--	--
Creatinine, mg/dL	0.92 (0.71-1.20)	--	--
Cholesterol, mg/dL	1.00 (1.00-1.01)	--	--
LDL, mg/dL	1.00 (1.00-1.01)	1.00 (1.00-1.01)	0.31
HDL, mg/dL	0.99 (0.98-1.00)	0.99 (0.98-1.01)	0.21
Triglycerides, mg/dL	1.00 (1.00-1.00)	1.00 (1.00-1.00)	0.30
Diabetes mellitus	1.52 (1.05-2.21)	1.40 (0.93-2.12)	0.10
Coronary artery disease	0.80 (0.33-1.95)	--	--
Atrial fibrillation	1.22 (0.39-3.83)	--	--
Hypertension	1.04 (0.66-1.63)	--	--
Smoking history			
Never	1 (Reference)	--	--

Demographic/Clinical Characteristic	Unadjusted Hazard Ratio (95% Confidence Interval)	Adjusted Hazard Ratio (95% Confidence Interval)	P value
Former	0.99 (0.66-1.48)	--	--
Yes	1.01 (0.55-1.84)	--	--
Unknown	0.88 (0.49-1.59)	--	--
Medical therapy[a]			
Anticoagulation	1.70 (1.06-2.74)	1.23 (0.64-2.36)	0.53
Antihypertensive	0.80 (0.49-1.32)	--	--
Statin	0.75 (0.52-1.10)	1.09 (0.68-1.74)	0.73
Medical therapy adherent[b]			
Anticoagulation	2.92 (1.43-5.98)	1.72 (0.69-4.32)	0.24
Antihypertensive	1.04 (0.70-1.54)	--	--
Statin	0.92 (0.64-1.31)	--	--
During follow-up			
Medical therapy[a]			
Anticoagulation	0.84 (0.57-1.25)	--	--
Antihypertensive	0.80 (0.38-1.72)	--	--
Statin	0.37 (0.23-0.60)	0.38 (0.21-0.72)	0.003
Medical therapy adherent[b]			
Anticoagulation	1.73 (1.04-2.88)	1.22 (0.74-2.39)	0.34
Antihypertensive	1.19 (0.70-2.04)	--	--
Statin	0.73 (0.52-1.04)	0.91 (0.59-1.38)	0.64

--, not included in the model; COPS2, comorbidity point score2; BMI, body mass index; BP, blood pressure; HCT, hematocrit; LDL, low-density lipoproteins; HDL, high-density lipoproteins.

[a] Medical therapy defined as at least one filled prescription in the 12 months prior to study entry. During follow-up this was adjusted to at least one filled prescription in each year of follow-up.

[b] Medical therapy adherent was defined using >80% MPR as described in Methods.