

Supplement Material

eAppendix. Definition of GI malignancy and GI bleeding

	International Classification of Disease 9th revision (ICD-9) primary diagnosis code
Variable	
GI malignancy	
Esophagus	150.x
Stomach	151.x
Small intestine including duodenum	152.x
Colon	153.x
Rectum	154.x
GI bleeding*	578.x, 537.83, 569.3, 569.85, 562.02, 562.03, 562.12, 562.13, 535.01, 535.11, 535.21, 535.31, 535.41, 535.51, 535.61, 531.0, 531.2, 531.4, 531.6, 532.0, 532.2, 532.4, 532.6, 533.0, 533.2, 533.4, 533.6, 534.0, 534.2, 534.4, 534.6

Abbreviations: GI = gastrointestinal

Primary diagnosis code was used.

eTable 1. Baseline characteristics in AIS patients with GI malignancy or recent GI bleeding treated with rtPA vs. otherwise eligible patients but not treated with rtPA

Characteristics	Patients treated with rtPA (N=136)	Patients not treated with rtPA (N=148)	Absolute standardized difference (%)
Age, median (IQR), y	80 (76 - 86)	84 (79 - 89)	34.5
Women, No. (%)	72 (52.9)	97 (65.5)	25.9
Race, No. (%)			31.0
Non-Hispanic white	120 (88.2)	122 (82.4)	
Non-Hispanic black	8 (5.9)	12 (8.1)	
Hispanic	3 (2.2)	7 (4.7)	
Asian	4 (2.9)	3 (2.0)	
Other	1 (0.7)	4 (2.7)	
Medical History, No. (%)			
AF or atrial flutter	69 (51.5)	96 (64.9)	27.4
Previous stroke	26 (19.4)	43 (29.1)	22.7
Previous transient ischemic attack	14 (10.5)	15 (10.1)	1.0
Carotid Stenosis	8 (6.0)	8 (5.4)	2.4
CAD including prior myocardial infarction	45 (33.6)	63 (42.6)	18.6
Diabetes mellitus	41 (30.6)	46 (31.1)	1.1
Peripheral vascular disease	7 (5.2)	14 (9.5)	16.3
Hypertension	105 (78.4)	122 (82.4)	10.3
Smoker	9 (6.7)	11 (7.4)	2.8
Dyslipidemia	69 (51.5)	60 (40.5)	22.1
Heart failure	20 (14.9)	31 (21.0)	15.7
Laboratory data			
Creatinine, median (IQR), mg/dL	1.0 (0.9-1.4)	1.0 (0.8-1.3)	1.5
Arrival and admission information, No. (%)			

Onset to door time, median (IQR), min	55.0 (35.0 - 89.0)	65.5 (41.5 - 94.0)	
EMS arrival	109 (89.3)	121 (88.3)	3.3
Arrived off-hours	72 (52.9)	68 (46.0)	14.0
NIHSS at presentation, median (IQR)	14 (8-19)	10 (4-18)	33.9
Preadmission medication, No. (%)			
Antiplatelet	46 (37.4)	42 (30.2)	15.2
Anticoagulant	16 (13.1)	25 (17.9)	13.1
Antihypertensive	94 (82.5)	114 (88.4)	16.8
Cholesterol reducer	58 (43.9)	71 (48.0)	8.1
Diabetic medications	22 (19.6)	29 (22.7)	7.4
Vital signs			
Heart rate, median (IQR), bpm	79 (69 - 92)	79 (66 - 90)	6.0
sBP, median (IQR), mmHg	154 (136 - 171)	144 (130 - 161)	23.4
dBP, median (IQR), mmHg	79 (67 - 89)	75 (64 - 86)	14.5
Hospital Characteristics			
Bed size, median (IQR), No.	361 (260 - 538)	340 (236 - 542)	7.2
Academic center, No. (%)	105 (79.0)	111 (76.0)	7.0
Primary Stroke Center, No. (%)	29 (21.3)	33 (22.3)	2.4
Rural hospital, No. (%)	5 (3.7)	3 (2.0)	9.9
Annual IV rtPA cases, median (IQR)	23.0 (16.6 - 38.2)	21.4 (13.8 - 33.0)	13.6

Abbreviations: GI, gastrointestinal; IQR, interquartile range; EMS, emergency medical services; sBP, systolic blood pressure; dBP, diastolic blood pressure; rtPA, recombinant tissue plasminogen activator