SUPPLEMENTAL MATERIAL

Resident-Driven Dysphagia Screening Protocol for Expedited Antithrombotic Delivery in Acute Ischemic Stroke

SUPPLEMENTAL TABLE 1. Demographic data stratified by pass/fail dysphagia assessment.

	Failed all dysphagia screens/evaluations (n=104)	Passed any dysphagia screen/evaluation (n=789)	p-value
Age, median y (IQR)	75 (67-83)	67 (58-76)	<0.01
Female, no. (%)	42 (40%)	345 (44%)	0.52
mRS prior to admission, median (IQR)	1 (0-3)	0 (0-2)	0.12
Race, no. (%)			0.50
Caucasian	63/104 (61%)	420/788 (53%)	
Black	24/104 (23%)	227/788 (29%)	
Asian	1/104 (1%)	14/788 (2%)	
Other	16/104 (15%)	127/788 (16%)	
Hispanic, no. (%)	11/100 (11%)	100/755 (13%)	0.53
Past medical history, no. (%)			
Hypertension	86/103 (84%)	667/787 (85%)	0.74
Dyslipidemia	65/103 (63%)	503/788 (64%)	0.89
Diabetes	36/103 (35%)	316/788 (40%)	0.32
Prior stroke	32/103 (31%)	215/788 (27%)	0.42
Atrial fibrillation	35/103 (34%)	141/787 (18%)	<0.01
Coronary artery disease	28/103 (27%)	175/788 (22%)	0.26
Congestive heart failure	21/103 (20%)	119/787 (15%)	0.17
Baseline NIHSS, median (IQR)	17 (11-23)	3 (1-7)	<0.01
Baseline NIHSS subscores, no. (%)			
≥2 points for level of alertness	22 (21%)	25 (3%)	<0.01
≥2 points for facial weakness	46 (44%)	127 (16%)	<0.01
≥1 point for dysarthria*	89 (86%)	326 (41%)	<0.01
Anterior circulation only infarction, no. (%)	72/101 (71%)	479/743 (64%)	0.18
ASPECTS**, median (IQR)	9 (7-9)	9 (8-10)	<0.01
Occlusion of ICA, M1, or basilar, no. (%)	42 (40%)	104 (13%)	<0.01

Thrombolysis, no. (%)	17 (16%)	79 (10%)	0.05

SLP denotes speech and language pathology, RN registered nurse, IQR interquartile range, mRS Modified Rankin Score, NIHSS NIH Stroke Scale/Score, ASPECTS Alberta Stroke Program Early CT Score, and ICA internal carotid artery.

Patients who failed all dysphagia screens/evaluations were excluded from the primary analyses reported in this study.

SUPPLEMENTAL TABLE 2. Patient characteristics according to dysphagia screen by physician.

	MD not screened (n=888)	MD screen (n=31)	p-value
Age, median y (IQR)	68 (59-77)	64 (54-77)	0.33
Female, no. (%)	389 (44%)	12 (39%)	0.57
mRS prior to admission, median (IQR)	0 (0-2)	0 (0-2)	0.62
Race, no. (%)			0.81
Caucasian	483/885 (55%)	19/31 (61%)	
Black	249/885 (28%)	8 (26%)	
Asian	15 (2%)	0 (0%)	
Other	138 (16%)	4 (13%)	
Hispanic, no. (%)	106/848 (13%)	3/30 (10%)	0.58
Past medical history, no. (%)			
Hypertension	747/885 (84%)	29/31 (94%)	0.16
Dyslipidemia	561/886 (63%)	20/31 (65%)	0.89
Diabetes	349/886 (39%)	14/31 (45%)	0.52
Prior stroke	245/886 (28%)	5/31 (16%)	0.16
Atrial fibrillation	179/885 (20%)	5/31 (16%)	0.58
Coronary artery disease	201/886 (23%)	6/31 (19%)	0.66
Congestive heart failure	142/885 (16%)	8/31 (26%)	0.15
Baseline NIHSS, median (IQR)	4 (1-10)	18 (4-25)	<0.01
Baseline NIHSS subscores, no. (%)			
≥2 points for level of alertness	53 (6%)	6 (19%)	0.01
≥2 points for facial weakness	170 (19%)	15 (48%)	<0.01
≥1 point for dysarthria*	419 (47%)	22 (71%)	<0.01
Anterior circulation only infarction, no. (%)	535/839 (64%)	28/30 (93%)	<0.01
ASPECTS*, median (IQR)	9 (8-10)	9 (8-10)	0.87
Occlusion of ICA, M1, or basilar, no. (%)	144 (16%)	16 (52%)	<0.01

| Thrombolysis, no. (%) | 94 (11%) | 7 (23%) | 0.07 |

Patients without in-hospital stroke or time of dysphagia screen were compared according to whether the patients were screened by physician or nursing staff. Demographic and clinical information were missing for 15 of 903 patients (1.7%), and are reported for 888 patients. IQR denotes interquartile range, mRS Modified Rankin Score, NIHSS NIH Stroke Scale/Score, ASPECTS Alberta Stroke Program Early CT Score, and ICA internal carotid artery.

*ASPECTS provided for patients with anterior circulation only infarctions.