Table e-1. Demographic and clinical characteristics for patients with HAS on pre-randomization CT (n=716) comparing those treated with alteplase and those allocated control

	Treated with Alteplase **n=368** (51.4%)	**Allocated Control** **n=348** (48.6%)	**p-value for Difference**
Age (median, IQR)	80 years (71-85)	80 years (69-85)	0.891
Male sex	180 (48.9%)	176 (50.6%)	0.657
Stroke onset to pre-randomization scan (mean, SD)	161 minutes (71)	157 minutes (70)	0.451
Time to imaging follow-up (median, IQR)	26 hours (23-34)	27 hours (24-41)	0.004
Baseline NIHSS (median, IQR)	16 (10-20)	16 (10-20)	0.843
OHS at six months (median, IQR)	5 (3-6)	5 (3-6)	0.646
Death by six months	136 (37.0%)	127 (36.5%)	0.898

Footnote:

Results represent n (%) unless otherwise stated.

NIHSS = National Institutes of Health Stroke Scale. OHS = Oxford Handicap Scale. IQR = Interquartile Range. SD = standard deviation.

Table e-2. Univariate associations between imaging characteristics of HAS on baseline and follow-up CT and six-month outcome (OHS)

Hyperdense Artery Sign (HAS) Characteristics on CT		n	Median OHS (IQR)	p-value for Difference
HAS Location Pre-Randomization	Proximal vessel only	407	5 (3-6)	p < 0.001
	Distal vessel only	182	4 (2-6)	
HAS Extent Pre-Randomization	1 segment	589	5 (3-6)	p = 0.009
	2-3 segments	127	5 (4-6)	
Pre-Randomization to Follow-Up Change	Growth	237	5 (3-6)	p < 0.001
	Shrinkage	388	4 (2-6)	
Persistence to Follow-Up	Persisted	324	5 (3-6)	p < 0.001
	Disappeared	349	4 (2-6)	
New HAS at Follow-Up	Yes	196	5 (3-6)	p < 0.001
	No	1861	3 (1-5)	

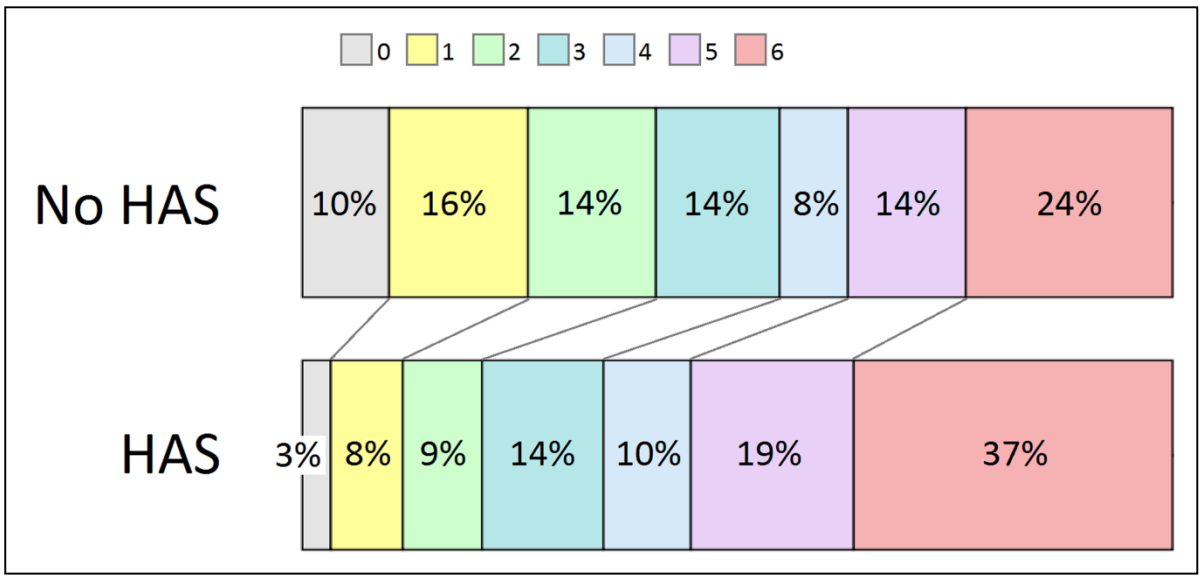
Footnote:

Total numbers in univariate analyses vary because proximal/distal data does not include patients with HAS in both proximal *and* distal arteries and growth/shrinkage data does not include patients where HAS extent remained unchanged between scans.

OHS = Oxford Handicap Scale. IQR = Interquartile Range.

Follow-up CT was only available in 674 of those with and in 2057 of those without HAS at baseline. HAS data were not available for one follow-up CT.

Figure e-1. Effect of hyperdense artery sign (HAS) pre-randomization on six-month outcome



Footnote:

Ordinal regression analysis for six-month Oxford Handicap Scale (OHS, 0-6) comparing outcome in those with (n=716) and without (n=2245) a Hyperdense Artery Sign (HAS) on pre-randomization CT.

Independent effect for the presence of HAS was Odds Ratio = 0.66 (<1 indicates worse outcome), 95%CI = 0.55-0.80, p<0.001 (see Table 2a for full result of this regression analysis). Result adjusted for the effect of age, time from stroke onset to scan, National Institutes of Health Stroke Scale (NIHSS) and treatment allocation.