

**Supplementary Table 1.** Clinical characteristics of study patients by early statin use and the timing of statin administration

Variables	All patients (n=857)	No statins (n=283)	Early statins (n=574)	P
<b>Demographic information</b>				
Age	68.8±12.6	70.4±12.9	68.0±12.4	0.01
Male sex	494 (57.6)	144 (50.9)	350 (61.0)	<0.01
Premorbid mRS score=0	735 (85.8)	226 (79.9)	509 (88.7)	<0.01
Admission year, 2011–2015	592 (69.1)	158 (55.8)	434 (75.6)	<0.01
<b>Stroke information</b>				
NIHSS score at arrival	12 (7–19)	15 (9–20)	11 (6–18)	<0.01
Onset to treatment delay (hour)	2.8 (1.7–7.7)	2.8 (1.7–6.0)	2.9 (1.7–8.6)	0.13
<b>Recanalization treatment</b>				
Intravenous thrombolysis alone	280 (32.7)	71 (25.1)	209 (36.4)	<0.01
Endovascular therapy alone	282 (32.9)	88 (31.1)	194 (33.8)	
Combined	295 (34.4)	124 (43.8)	171 (29.8)	
NIHSS score after treatment	10 (4–17)	14 (6–20)	8 (4–15)	<0.01
<b>Stroke mechanism</b>				
Large artery atherosclerosis	227 (26.5)	44 (15.5)	183 (31.9)	<0.01
Small vessel occlusion	33 (3.9)	1 (0.4)	32 (5.6)	
Cardioembolism	413 (48.2)	172 (60.8)	241 (42.0)	
Other determined causes	41 (4.8)	19 (6.7)	22 (3.8)	
Undetermined cause	143 (16.7)	47 (16.6)	96 (16.7)	
<b>Vascular risk factors</b>				
Hypertension	579 (67.6)	174 (61.5)	405 (70.6)	0.01
Diabetes	232 (27.1)	70 (24.7)	162 (28.2)	0.28
Hyperlipidemia	226 (26.4)	45 (15.9)	181 (31.5)	<0.01
Atrial fibrillation	363 (42.4)	158 (55.8)	205 (35.7)	<0.01
Regular smoking	327 (38.2)	82 (29.0)	245 (42.7)	<0.01
Pre-stroke antithrombotics	378 (44.1)	153 (54.1)	225 (39.2)	<0.01
Pre-stroke statins	200 (23.3)	51 (18.0)	149 (26.0)	0.01
<b>Laboratory information</b>				
White cell count (μL)	8,375±3,209	8,276±3,474	8,423±3,072	0.54
Hemoglobin (g/dL)	13.6±2.0	13.4±2.0	13.7±2.0	0.02
Initial glucose (mg/dL)	137±51	137±49	137±51	0.98
HbA1c (%)	6.1±1.1	6.0±0.9	6.2±1.2	0.01
Total cholesterol (mg/dL)	168±42	160±34	172±44	<0.01
HDL cholesterol (mg/dL)	45±12	46±13	44±11	0.14
Triglycerides (mg/dL)	108±64	99±57	112±67	<0.01
LDL cholesterol (mg/dL)	102±36	95±29	105±39	<0.01
Systolic blood pressure (mmHg)	152±27	150±27	153±28	0.11
Diastolic blood pressure (mmHg)	82±18	81±16	82±18	0.19
<b>Outcome information</b>				
mRS score at 3 months				<0.01
0	177 (20.7)	45 (15.9)	132 (23.0)	
1	137 (16.0)	25 (8.8)	112 (19.5)	
2	120 (14.0)	36 (12.7)	84 (14.6)	
3	116 (13.5)	32 (11.3)	84 (14.6)	
4	91 (10.6)	39 (13.8)	52 (9.1)	
5	122 (14.2)	53 (18.7)	69 (12.0)	
6	94 (11.0)	53 (18.7)	41 (7.1)	
Symptomatic HT	52 (6.1)	30 (10.6)	22 (3.8)	<0.01

Values are presented as mean± standard deviation, median (interquartile range), or number (%). The admission year was divided into 2011–2015 and 2007–2010 because use of the stent-retriever started in 2011.

mRS, modified Rankin Scale; NIHSS, National Institute of Health Stroke Scale; HDL, high-density lipoprotein; LDL, low-density lipoprotein; HT, hemorrhage transformation.