

Supplementary Table 6. Clinical profiles of subgroups by stroke mechanism

Variables	LAA			CE			Non-LAA/CE		
	No statins (n=44)	Early statins (n=183)	<i>P</i>	No statins (n=172)	Early statins (n=241)	<i>P</i>	No statins (n=67)	Early statins (n=150)	<i>P</i>
<b>Demographic information</b>									
Age	67.6±11.4	66.8±11.7	0.67	73.0±11.8	71.2±10.5	0.10	65.7±14.8	64.4±14.7	0.56
Male sex	29 (65.9)	130 (71.0)	0.51	83 (48.3)	123 (51.0)	0.58	32 (47.8)	97 (64.7)	0.02
Premorbid mRS score=0	35 (79.5)	169 (92.3)	0.01	140 (81.4)	205 (85.1)	0.32	51 (76.1)	135 (90.0)	0.01
Admission year, 2011–2015	15 (34.1)	127 (69.4)	<0.01	107 (62.2)	188 (78.0)	<0.01	36 (53.7)	119 (79.3)	<0.01
<b>Stroke information</b>									
NIHSS score at arrival	11 (6.75–19.25)	10 (5–15)	0.05	16 (10.75–20)	15 (9–20)	0.13	14 (6–19)	9 (5–15)	<0.01
Onset to treatment delay (hour)	3.6 (2.4–11.3)	3.8 (1.9–11.2)	0.31	2.6 (1.7–5.3)	2.6 (1.7–8.1)	0.01	2.7 (1.7–5.5)	2.5 (1.4–5.5)	0.33
Recanalization treatment			0.37			0.02			0.10
Intravenous thrombolysis alone	13 (29.5)	69 (37.7)		36 (20.9)	68 (28.2)		22 (32.8)	72 (48.0)	
Endovascular therapy alone	17 (38.6)	73 (39.9)		45 (26.2)	79 (32.8)		26 (38.8)	42 (28.0)	
Combined	14 (31.8)	41 (22.4)		91 (52.9)	94 (39.0)		19 (28.4)	36 (24.0)	
NIHSS score after treatment	11 (6–19)	6 (4–13)	0.01	15 (6–21)	11 (5–17)	<0.01	14 (4.5–19.5)	6 (4–11)	<0.01
<b>Stroke mechanism</b>									
			-			-			<0.01
Large artery atherosclerosis	44 (100)	183 (100)		0 (0)	0 (0)		0 (0)	0 (0)	
Small vessel occlusion	0 (0)	0 (0)		0 (0)	0 (0)		1 (1.5)	32 (21.3)	
Cardioembolism	0 (0)	0 (0)		172 (100)	241 (100)		0 (0)	0 (0)	
Other determined cause	0 (0)	0 (0)		0 (0)	0 (0)		19 (28.4)	22 (14.7)	
Undetermined cause	0 (0)	0 (0)		0 (0)	0 (0)		47 (70.1)	96 (64.0)	
<b>Vascular risk factors</b>									
Hypertension	30 (68.2)	131 (71.6)	0.66	106 (61.6)	176 (73.0)	0.02	38 (56.7)	98 (65.3)	0.23
Diabetes	13 (29.5)	56 (30.6)	0.89	42 (24.4)	71 (29.5)	0.26	15 (22.4)	35 (23.3)	0.88
Hyperlipidemia	8 (18.2)	52 (28.4)	0.17	26 (15.1)	81 (33.6)	<0.01	11 (16.4)	48 (32.0)	0.02
Atrial fibrillation	1 (2.3)	0 (0)	0.04	147 (85.5)	194 (80.5)	0.19	10 (14.9)	11 (7.3)	0.08
Regular smoking	19 (43.2)	99 (54.1)	0.19	39 (22.7)	77 (32.0)	0.04	24 (35.8)	69 (46.0)	0.16
Pre-stroke antithrombotics	17 (38.6)	59 (32.2)	0.42	108 (62.8)	129 (53.5)	0.06	28 (41.8)	37 (24.7)	0.01
Pre-stroke statins	10 (22.7)	40 (21.9)	0.90	31 (18.0)	76 (31.5)	<0.01	10 (14.9)	33 (22.0)	0.23
<b>Laboratory information</b>									
White cell count (μL)	9,058±3,568	8,932±3,288	0.83	7,752±2,948	7,976±2,949	0.45	9,105±4,350	8,521±2,902	0.32
Hemoglobin (g/dL)	14.2±1.7	14.0±2.0	0.56	13.5±1.9	13.5±1.9	0.73	12.5±2.3	13.7±2.2	<0.01
Initial glucose (mg/dL)	145±51	146±62	0.85	134±44	132±45	0.64	140±59	134±45	0.47
HbA1c (%)	6.1±0.8	6.4±1.4	0.11	6.0±0.9	6.2±1.0	0.08	5.9±1.1	6.1±1.0	0.36
Total cholesterol (mg/dL)	180±35	172±43	0.17	155±31	168±44	<0.01	161±37	178±46	0.01
HDL cholesterol (mg/dL)	48±16	43±11	0.10	47±12	45±12	0.21	42±12	44±10	0.18
Triglycerides (mg/dL)	117±56	118±74	0.88	88±41	101±59	0.01	116±80	121±67	0.67
LDL cholesterol (mg/dL)	109±29	105±37	0.37	91±27	103±37	<0.01	96±29	110±42	0.01
Systolic blood pressure (mmHg)	148±27	156±28	0.11	151±27	151±24	0.79	147±26	153±31	0.10
Diastolic blood pressure (mmHg)	82±15	83±18	0.67	81±18	81±19	0.83	80±13	84±18	0.11
<b>Outcome information</b>									
mRS score at 3 months			0.03			0.06			<0.01
0	4 (9.1)	38 (20.8)		29 (16.9)	55 (22.8)		12 (17.9)	39 (26.0)	
1	4 (9.1)	43 (23.5)		17 (9.9)	35 (14.5)		4 (6.0)	34 (22.7)	
2	7 (15.9)	29 (15.8)		23 (13.4)	30 (12.4)		6 (9.0)	28 (18.7)	
3	7 (15.9)	29 (15.8)		17 (9.9)	34 (14.1)		8 (11.9)	21 (14.0)	
4	7 (15.9)	17 (9.3)		25 (14.5)	27 (11.2)		7 (10.4)	8 (5.3)	
5	9 (20.5)	20 (10.9)		32 (18.6)	40 (16.6)		12 (17.9)	9 (6.0)	
6	6 (13.6)	10 (5.5)		29 (16.9)	20 (8.3)		18 (26.9)	11 (7.3)	
Symptomatic HT	6 (13.6)	5 (2.7)	<0.01	18 (10.5)	12 (5.0)	0.03	6 (9.0)	5 (3.3)	0.08

Values are presented as mean±standard deviation, median (interquartile range), or number (%).

LAA, large artery atherosclerosis; CE, cardioembolism; mRS, modified Rankin Scale; NIHSS, National Institute of Health Stroke Scale; HDL, high-density lipoprotein; LDL, low-density lipoprotein; HT, hemorrhage transformation.