

**Supplementary Table 1.** Clinical and laboratory characteristics in non-recurrence group and recurrence group in 293 patients

	Total (n=293)	Non Rc. group (n=276)	Rc. group (n=17)	p-value
Comorbidities				
Diabetes mellitus	92 (31.0)	83 (30.0)	9 (53.0)	0.060
Hypertension	154 (53.0)	144 (52.0)	10 (59.0)	0.594
Dyslipidemia	26 (9.0)	25 (9.0)	1 (6.0)	0.726
Ischemic heart disease	35 (12.0)	33 (12.0)	2 (12.0)	1.000
Arrhythmia	17 (6.0)	15 (5.0)	2 (12.0)	0.258
Renal disease	15 (5.0)	13 (5.0)	2 (12.0)	0.213
Liver disease	9 (3.0)	8 (3.0)	1 (6.0)	0.421
None	70 (24.0)	68 (25.0)	2 (12.0)	0.378
Past history of brain disease				
Cerebral vascular accidents*	49 (17.0)	44 (16.0)	5 (29.0)	0.175
Seizure	3 (1.0)	2 (0.7)	1 (6.0)	0.165
Brain tumor	3 (1.0)	3 (1.0)	0 (0.0)	1.000
Craniotomy history	16 (5.0)	14 (5.0)	2 (12.0)	0.235
Ventriculo-peritoneal shunt	3 (1.0)	2 (0.7)	1 (6.0)	0.165
Dementia	20 (7.0)	20 (7.0)	0 (0.0)	0.616
None	205 (70.0)	194 (70.0)	11 (65.0)	0.626
Laboratory findings				
Hemoglobin (g/dL)	12.7 (7.2–17.5)	12.7 (7.2–17.5)	12.0 (7.4–16.3)	0.072
Platelet (×1000/μL)	224.9 (51.0–675.0)	226.1 (51.0–675.0)	206.2 (96.0–438.0)	0.437
INR	1.1 (0.8–11.0)	1.1 (0.8–11.0)	1.1 (0.9–1.2)	0.788
aPTT (seconds)	28.9 (17.9–76.5)	29.0 (17.9–76.5)	27.9 (23.7–31.5)	0.074
BUN (mg/dL)	17.8 (6.0–121.2)	17.8 (6.0–121.2)	17.9 (7.4–54.0)	0.966
Creatinine (mg/dL)	1.0 (0.2–11.9)	1.0 (0.4–9.8)	1.5 (0.2–12.0)	0.427
AST (IU/L)	28.3 (10.0–249.0)	27.6 (10.0–249.0)	40.4 (11.0–120.0)	0.101
ALT (IU/L)	21.4 (4.0–99.0)	21.1 (4.0–99.0)	26.7 (6.0–58.0)	0.118
Prophylactic antiepileptic drug				
Levetiracetam	114 (39.0)	107 (39.0)	7 (41.0)	0.843
Valproic acid	41 (14.0)	38 (14.0)	3 (18.0)	0.716
Phenytoin	3 (1.0)	3 (1.0)	0 (0.0)	1.000
None	135 (46.0)	128 (46.0)	7 (41.0)	0.676

Values are presented as mean (range) or number (%). \*Cerebral vascular accidents include cerebral hemorrhage, cerebral infarction, stenosis or occlusion of cerebral vessels. Rc. : recurrence, INR : international ratio, aPTT : activated partial thromboplastin time, BUN : blood urea nitrogen, AST : aspartate transaminase, ALT : alanine transaminase