

Supplementary Table 1. Patients' demographic characteristics among different levels of NVAfV

	0-112.8 (80)	112.9-157.1(81)	157.2-199(80)	199.1-highst(80)	P value
Age	65±8	64±9	66±8	65±9	0.365
Sex(male)	71 (88.8)	69 (85.2)	65 (81.2)	69 (86.2)	0.600
Hypertension	64 (80.0)	63 (71.8)	59 (73.8)	63 (78.8)	0.799
Coronary heart disease	20 (25.0)	11 (13.6)	18 (22.5)	23 (28.7)	0.122
Diabetes Mellitus	22 (27.5)	35 (43.2)	30 (37.5)	30 (37.5)	0.218
Smoking history	51 (63.7)	54 (66.7)	50 (62.5)	54 (67.5)	0.898
Dyslipidemia	39 (48.8)	34 (42)	46 (57.5)	30 (37.5)	0.062
Glucose(mmol/L)	5.7±1.8	5.8±1.8	5.9±2.2	6.0±2.2	0.820
Cholesterol(mmol/L)	3.5±1.0	3.7±0.9	3.5±0.8	3.6±0.9	0.510
HDL(mmol/L)	1.1±0.3	1.0±0.2	1.1±0.3	1.1±0.3	0.511
LDL(mmol/L)	2.0±0.8	2.2±0.8	2.0±0.7	2.0±0.7	0.461
Antiplatelet	53(66.2)	45(55.6)	54(67.5)	46(57.5)	0.292
Statin	48(60)	45(55.6)	54(67.5)	46(57.5)	0.432
PCI	52 (65.0)	40(49.4)	29 (36.2)	21 (26.2)	<0.001
PCI+TIA	64 (80.0)	49(60.5)	50 (62.5)	33 (41.2)	<0.001
Mechanism					<0.001
No-PCI	28 (35.0)	41 (50.6)	51 (63.7)	59 (73.8)	
LAA	41 (51.2)	25 (30.9)	19 (23.8)	9 (11.2)	
Br A	11 (13.7)	15 (18.5)	10 (12.5)	12 (15.0)	
Combined with severe anterior artery stenosis	26 (32.5)	30 (37.0)	32 (40.0)	46 (57.5)	0.008
Contralateral VA stenosis					<0.001
<70%	33 (41.2)	58 (71.6)	69 (86.3)	74 (92.5)	
≥70% or occlusion	36 (45.0)	15 (18.5)	10 (12.5)	6 (7.5)	
Hypoplasia (diameter less than 2.5 mm)	11 (13.8)	8 (9.9)	1 (1.2)	0	

Severe anterior artery stenosis: Unilateral or bilateral extracranial carotid artery severe stenosis (≥70%) or occlusion

Supplementary Table2 . Two year recurrent ischemic stroke in each NVAFV group

	8 th month	16 th month	24 th month
Lower NVAFV(145)	12(8.3)	21(14.5)	28(19.3)
Higher NVAFV(117)	5(4.3)	6(5.1)	6(5.1)