

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 NVAFFV group

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