Association Between Serum C1q Tumor Necrosis Factor-Related Protein 9 With the Clinical Characteristics and Prognosis of Ischemic Stroke

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Supplementary Table 1 Demographics and clinical characteristics of IS-CE group and IS-non-CE group

| Variable                        | IS-CE (n=64)          | non-IS-CE(n=238)     | P value |
|---------------------------------|-----------------------|----------------------|---------|
| Age, y                          | 67 (59.25-71)         | 63.50 (53-73)        | 0.108   |
| Man                             | 35 (54.69)            | 156 (65.55)          | 0.110   |
| BMI, kg/m²                      | 24.13 (22.35-25.57)   | 24.78 (22.66-26.32)  | 0.279   |
| Cigarette smoking               | 24 (37.5)             | 120 (50.42)          | 0.066   |
| Alcohol consumption             | 22 (34.38)            | 98 (41.18)           | 0.324   |
| Atrial fibrillation             | 48 (75.00)            | 19 (7.98)            | < 0.001 |
| Hypertension                    | 30 (46.88)            | 169 (71.00)          | < 0.001 |
| Diabetes mellitus               | 16 (25)               | 84 (35.29)           | 0.120   |
| Hyperlipemia                    | 7 (10.94)             | 59 (24.79)           | 0.017   |
| SBP, (mmHg)                     | 135.12 (20.27)        | 147.71 (19.89)       | < 0.001 |
| DBP, (mmHg)                     | 82 (74-90.75)         | 90 (79-98)           | 0.003   |
| Volume, (cm³)                   | 3.44 (1.59-20.63)     | 1.72 (0.61-6.06)     | < 0.001 |
| WBC, (×10⁹/L)                   | 7.66 (5.63-10.01)     | 6.96 (5.69-9.08)     | 0.201   |
| CRP, (mg/L)                     | 3.49 (1.79-18.25)     | 2.46 (1.03-7.46)     | 0.007   |
| Fasting glucose, (mmol/L)       | 5.74 (5.00-7.42)      | 5.62 (4.97-7.55)     | 0.883   |
| HbA1c, (%)                      | 5.9 (5.6-6.50)        | 6.00 (5.50-7.20)     | 0.992   |
| TC, (mmol/L)                    | 4.28 (3.58-5.14)      | 4.86 (3.99-5.90)     | < 0.001 |
| TG (mmol/L)                     | 1.03 (0.85-1.40)      | 1.40 (0.99-2.05)     | < 0.001 |
| HDL-C (mmol/L)                  | 1.34 (1.13-1.54)      | 1.29 (1.11-1.64)     | 0.820   |
| LDL-C (mmol/L)                  | 2.40 (1.77-2.78)      | 2.89 (2.23-3.74)     | < 0.001 |
| NIHSS                           | 8.5 (4.25-13)         | 6.00 (4.00-10.00)    | 0.004   |
| CTRP9, (ng/mL)                  | 106.45 (72.78-154.93) | 83.02 (57.66-109.41)| < 0.001 |
| CTRP9/TC                        | 26.01 (17.02-37.97)   | 16.19 (12.33-22.61)  | < 0.001 |
| CTRP9/TG                        | 94.30 (60.19-173.45)  | 56.66 (35.75-95.36)  | < 0.001 |
| CTRP9/LDL-C                     | 42.70 (32.56-69.90)   | 35.55 (20.28-39.30)  | < 0.001 |
| CTRP9/HDL-C                     | 90.11 (51.29-124.08)  | 61.47 (43.08-83.36)  | < 0.001 |

Values are given as the median (IQR) or as a number (n) with the percentage in parenthesis.

CE cardioembolic, BMI body mass index, AF atrial fibrillation, SBP systolic blood pressure, DBP diastolic blood pressure, WBC white blood cell, CRP C-reactive protein, HbA1c hemoglobin A1c, TC total cholesterol, TG triglyceride, HDL-C high-density lipoprotein cholesterol, LDL-C low-density lipoprotein cholesterol, CTRP9 C1q TNF related protein 9.
Supplementary Table 2 Demographics and clinical characteristics of three groups

| Variable               | 1st tertile (n=100)     | 2nd tertile (n=102)     | 3rd tertile (n=100)     | P value |
|------------------------|-------------------------|-------------------------|-------------------------|---------|
| Age, y                 | 64.5 (53-71.75)         | 64 (54-73)              | 66 (55-76)              | 0.264   |
| Man                    | 64 (64)                 | 71 (69.61)              | 56 (59)                 | 0.131   |
| BMI, kg/m²             | 24.44 (22.04-26.48)     | 24.10 (22.60-25.67)     | 24.83 (22.82-26.38)     | 0.306   |
| Cigarette smoking      | 52 (52)                 | 48 (47.06)              | 44 (44)                 | 0.520   |
| Alcohol consumption    | 45 (45)                 | 39 (38.24)              | 56 (56)                 | 0.110   |
| AF                     | 21 (21)                 | 13 (12.75)              | 33 (33)                 | 0.002   |
| Hypertension           | 72 (72)                 | 70 (68.63)              | 57 (57)                 | 0.063   |
| Diabetes mellitus      | 27 (27)                 | 39 (38.24)              | 34 (34)                 | 0.231   |
| Hyperlipemia           | 19 (19)                 | 24 (23.53)              | 23 (23)                 | 0.697   |
| SBP, (mmHg)            | 141.94 (19.84)          | 144.37 (19.77)          | 148.84 (21.73)          | 0.055   |
| DBP, (mmHg)            | 84 (78-94)              | 90 (79.25-98.25)        | 86.50(78.25-98.00)      | 0.352   |
| Volume, (cm³)          | 1.19 (0.60-3.17)        | 2.48 (0.85-6.25)        | 3.89 (0.97-9.09)        | < 0.001 |
| WBC, (x10⁹/L)          | 7.04 (5.79-9.07)        | 6.99 (5.59-9.40)        | 7.14 (5.58-7.07)        | 0.996   |
| CRP, (mg/L)            | 2.33 (0.86-5.62)        | 2.36 (1.05-8.68)        | 3.58 (1.79-12.40)       | 0.020   |
| Fasting glucose, (mmol/L) | 5.51 (4.88-6.60)     | 5.95 (5.08-8.80)        | 5.58 (4.77-7.07)        | 0.038   |
| HbA1c, (%)             | 5.80 (5.32-6.30)        | 6.10 (5.60-7.60)        | 6.00 (5.60-7.18)        | 0.013   |
| TC, (mmol/L)           | 4.43 (3.72-5.22)        | 5.00 (3.86-5.83)        | 4.87 (3.99-6.39)        | 0.006   |
| TG, (mmol/L)           | 1.32 (0.96-1.79)        | 1.37 (1.02-2.10)        | 1.14 (0.84-1.81)        | 0.097   |
| HDL-C, (mmol/L)        | 1.33 (1.11-1.65)        | 1.26 (1.09-1.54)        | 1.37 (1.12-1.71)        | 0.198   |
| LDL-C, (mmol/L)        | 2.63 (2.08-2.91)        | 3.01 (2.05-3.80)        | 2.91 (2.26-3.99)        | 0.001   |

Values are given as the median (IQR) or mean (SD) as a number (n) with the percentage in parenthesis.