

| Variable                               | All men(n=432)          | Low ASCVD risk (n=62)   | Medium-high ASCVD risk (n=370) | P Value |
|----------------------------------------|-------------------------|-------------------------|--------------------------------|---------|
| Age, (year)                            | 57.97 ± 9.36            | 44.00 (35.50, 48.00)    | 60.25 (55.45, 65.23)           | 0.000   |
| WC, (cm)                               | 91.00 (85.50, 97.00)    | 87.00 (80.00, 96.00)    | 91.50 (86.00, 97.00)           | 0.961   |
| Weight, (Kg)                           | 72.00 (65.00, 78.00)    | 72.00 (65.00, 83.00)    | 72.00 (65.00, 78.00)           | 0.029   |
| Height, (cm)                           | 171.00 (168.00, 175.00) | 170.00 (165.00, 179.00) | 171.00 (168.00, 175.00)        | 0.034   |
| WHR                                    | 0.53 (0.50, 0.56)       | 0.52 (0.49, 0.55)       | 0.53 (0.50, 0.56)              | 0.499   |
| BMI, (Kg/m <sup>2</sup> )              | 24.22 (22.65, 26.57)    | 25.14 (23.01, 28.09)    | 24.19 (22.65, 26.45)           | 0.067   |
| Current smoking, n(%)                  | 117 (27.08)             | 11 (17.74)              | 106 (28.65)                    | 0.074   |
| Current drinking, n(%)                 | 74 (17.13)              | 13 (20.97)              | 61 (16.49)                     | 0.386   |
| Hypertension n(%)                      | 296 (68.52)             | 25 (40.32)              | 271 (73.24)                    | 0.000   |
| History of ASCVD, n(%)                 | 55 (12.73)              | 2 (3.23)                | 53 (14.32)                     | 0.015   |
| Antihypertensive therapy, n (%)        | 229 (53.01)             | 5 (8.06)                | 224 (60.54)                    | 0.000   |
| Statin use, n(%)                       | 132 (30.60)             | 17 (27.42)              | 115 (31.08)                    | 0.562   |
| Antidiabetic, n(%)                     | 430 (99.54)             | 62 (100)                | 368 (99.46)                    | 1.000   |
| SBP, (mmHg)                            | 141.35 ± 22.31          | 120.00 (113.00, 131.00) | 144.00 (128.75, 155.00)        | 0.000   |
| DBP, (mmHg)                            | 85.92 ± 1.05            | 77.00 (70.00, 89.00)    | 84.00 (75.75, 94.00)           | 0.000   |
| Ferritin, (ng/ml)                      | 264.6 ± 245.34          | 448.24 ± 373.67         | 243.83 ± 213.25                | 0.000   |
| HbA1c, (%)                             | 8.55 ± 2.05             | 9.18 ± 2.39             | 8.45 ± 1.99                    | 0.049   |
| Diabetes duration, (year)              | 9.75 ± 6.76             | 5.53 ± 3.91             | 10.04 ± 7.01                   | 0.000   |
| FBG, (mmol/l)                          | 8.89 ± 2.97             | 7.51 (6.36, 9.79)       | 8.63 (6.46, 10.33)             | 0.791   |
| 2h PG, (mmol/l)                        | 17.20 ± 5.04            | 17.09 ± 6.12            | 17.21 ± 5.35                   | 0.506   |
| FCP, (ng/ml)                           | 1.29 ± 0.60             | 1.31 (0.87, 1.60)       | 1.18 (0.92, 1.58)              | 0.581   |
| CP-2, (ng/ml)                          | 3.37 ± 2.01             | 2.88 (2.18, 4.68)       | 3.00 (1.92, 4.34)              | 0.391   |
| FINS, (mIU/l)                          | 7.54 ± 0.97             | 5.08 (2.71, 8.57)       | 5.65 (3.93, 8.61)              | 0.735   |
| 2-FIN, (mIU/l)                         | 22.56 ± 18.37           | 22.29 ± 22.32           | 22.87 ± 16.88                  | 0.342   |
| HOME-IR                                | 3.03 ± 4.00             | 2.91 ± 2.53             | 2.95 ± 3.20                    | 0.761   |
| HOMA-β                                 | 37.71 ± 3.88            | 36.17 ± 38.93           | 39.32 ± 42.38                  | 0.634   |
| TG, (mmol/l)                           | 2.24 ± 0.67             | 2.77 ± 3.08             | 1.90 ± 1.81                    | 0.001   |
| TC, (mmol/l)                           | 4.05 ± 0.98             | 4.33 (3.69, 5.01)       | 3.93 (3.37, 4.47)              | 0.064   |
| HDL, (mmol/l)                          | 0.97 ± 0.22             | 0.91 (0.79, 1.01)       | 0.95 (0.83, 1.07)              | 0.050   |
| LDL, (mmol/l)                          | 2.67 (2.14, 3.04)       | 2.95 (2.38, 3.25)       | 2.62 (2.12, 3.00)              | 0.043   |
| SFA, (cm <sup>2</sup> )                | 180.87 ± 51.55          | 175.00 (131.00, 235.00) | 178.50 (144.00, 215.25)        | 0.095   |
| VFA, (cm <sup>2</sup> )                | 118.86 ± 49.92          | 106.00 (83.00, 139.00)  | 111.50 (82.75, 148.50)         | 0.227   |
| TyG index                              | 1.96 ± 0.77             | 2.20 ± 0.78             | 1.88 ± 0.68                    | 0.001   |
| Vitamin D, (mmol/l)                    | 15.83 ± 6.47            | 13.10 (8.80, 20.00)     | 15.60 (11.23, 19.43)           | 0.659   |
| Leukocyte counts, (10 <sup>9</sup> /L) | 6.19 ± 1.58             | 5.40 (4.72, 6.50)       | 6.04 (4.95, 7.24)              | 0.201   |
| Creatinine, (umol/l)                   | 78.95 ± 41.23           | 70.80 (68.10, 77.60)    | 72.10 (62.13, 83.53)           | 0.200   |
| Uric acid, (umol/l)                    | 351.00 (282.00, 409.00) | 376.00 (335.00, 476.00) | 345.00 (276.75, 405.00)        | 0.282   |
| Ca, (mmol/l)                           | 2.20 (2.12, 2.26)       | 2.24 (2.21, 2.30)       | 2.19 (2.11, 2.30)              | 0.000   |
| P, (mmol/l)                            | 1.12 (1.03, 1.25)       | 1.12 (1.04, 1.22)       | 1.12 (1.02, 1.25)              | 0.072   |
| eGFR, (mL/min/1.73 m <sup>2</sup> )    | 102.46 ± 31.19          | 128.40 (104.90, 156.20) | 96.95 (78.48, 116.13)          | 0.000   |
| Fatty liver, n(%)                      | 189 (43.75)             | 39 (62.90)              | 150 (40.54)                    | 0.001   |
| Diabetic retinopathy, n(%)             | 264 (61.11)             | 27 (43.55)              | 237 (64.05)                    | 0.002   |
| Diabetic nephropathy, n(%)             | 20 (4.63)               | 1 (1.61)                | 19 (5.14)                      | 0.371   |
| Osteocalcin, (ng/mL)                   | 13.39 ± 10.16           | 13.90 (11.90, 17.60)    | 11.20 (8.61, 14.63)            | 0.000   |
| CVAI                                   | 128.97 (97.41, 151.04)  | 98.72 (76.51, 148.36)   | 129.22 (104.19, 151.70)        | 0.125   |
| 10-year ASCVD risk, (%)                | 16.10 ± 10.18           | 2.60 ± 1.50             | 18.40 ± 9.20                   | 0.000   |
| ABI                                    | 1.16 ± 0.13             | 1.16(1.09,1.25)         | 1.17 (1.09, 1.25)              | 0.346   |
| baPWV, (cm/s)                          | 1866.04 ± 515.98        | 1443.40±235.29          | 1951.14 ± 716.54               | 0.000   |
| Arterial stiffness, n(%)               | 287 (66.44)             | 10 (16.13)              | 277 (74.86)                    | 0.000   |

**Table 1:** General characterist of the participants in men with type 2 diabetes mellitus patients. Mean(SD) or Median(IQR) was presented for the distribution of continuous data, and t-test or Mann-Whitney U test were used to exam the differences between groups. Frequency and percentage were used to describe categorical variables, and chi-square tests are applied in the same way.WC:Waist circumference; WHR: Weight/Height; ASCVD: Atherosclerotic cardiovascular disease, including acute coronary syndrome, myocardial infarction, stable or unstable angina pectoris, arterial revascularization, stroke, transient ischemic attack, atherosclerotic peripheral vascular disease, etc; SBP: Systolic blood pressure; DBP: Diastolic blood pressure; FBG: Fasting blood glucose; FCP: Fasting c-peptide; FINS: Fasting insulin; HOME-IR: Insulin resistance index; HOMA-β:Insulin secretion index; TG: Triglycerides; TC: Total cholesterol; LDL: Low-density lipoprotein cholesterol; HDL: High-density lipoprotein cholesterol; SFA: Subcutaneous fat area; VFA: Visceral fat area; TyG index: The triglyceride-glucose index; CVAI: Chinese visceral adiposity index; ABI: ankle-brachial index; baPWV: brachial-ankle pulse wave velocity.

