Table 1. the demographic variables of both groups

|  |  |  |  |
| --- | --- | --- | --- |
|  | DM group | Non-DM group | P-Value |
| Age (years) mean±Sd | 53.61±8.81 | 54.01±4.22 | 0.069 |
| Sex  |  |  |  |
| Male n(%) | 355(28.6) | 710 (28.6) | 1 |
| Female n(%) | 887(71.4) | 1774(71.4) |
| Mean Met | 30.03±8.87 | 40.97±10.20 | ˂0.001 |
| Diabetes duration (years) mean±Sd | 3.55±4.25 | - | - |
| FBS mean±Sd | 132.19±62.29 | 90.08±16.83 | ˂0.001 |
| Systole blood pressure | 117.42 ±19.84 | 115.69±19.3 | 0.012 |
| Diastol blood pressure | 77.23±12.07 | 76.53±12.39 | 0.103 |
| Medication |  |  |  |
| Insulin  | 38(3.1) | - | - |
| Metformin  | 420(33.8) | 8(0. 3) | ˂0.001 |
| Glibenclamide | 262 (21.1) | - | - |
| other |  |  |  |
| BMI (kg/m2) | 26.64±4.94 | 26.39±4.97 | 0.144 |
| Overweight (%)  |  |  |  |
| Total cholesterol (mmol/L) | 187.65±45.39 | 193.08±39.79 | ˂0.001 |
| LDL cholesterol (mmol/L)  | 106.24±37.87 | 112.82±33.34 | ˂0.001 |
| HDL cholesterol (mmol/L)  | 50.98±15.54 | 53.81±16.59 | ˂0.001 |
| HDL-to-LDL ratio  | 0.58±0.99 | 0.54±0.63 | ˂0.001 |
| Triglycerides (mmol/L)  | 152.15±98.21 | 134.34±80.81 | ˂0.001 |
| Dyslipidemia (%)  |  |  |  |
| Smoker (%) | 7 (0.6) | 6 (0.02) | 0.116 |
| Alcohol use (Regular) | 229 (18.4) | 288 (19.6) | 0.497 |
| stroke | 37 (3) | 43 (1.7) | 0.013 |
| MI | 44 (3.5) | 54 (2.2) | 0.014 |
| cardiac ischemic | 267 (21.5) | 389 (15.7) | ˂0.001 |

Table 2. the quartiles of MET score and vascular function of both groups

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Group | Quartile 1 | Quartile 2 | Quartile 3 | Quartile 4 | P value |
| Creatinine  | DM | 1.02±0.27 | 0.97±0.13 | 0.96±0.19 | 0.99±0.14 | <0.001 |
| Non-DM | 0.98±0.27 | 0.94±0.18 | 0.93±0.14 | 0.96±0.17 | <0.001 |
| FBS | DM | 135.02± 62.83 | 132.56±62.96 | 132.97±62.14 | 127.29±61/32 | 0.541 |
| Non-DM | 91.18±19.86 | 90.91±15.63 | 89.22±11.62 | 89.27±19.24 | 0.082 |
| GFR | DM | 68.43±12.66 | 69.24±9.65 | 69.37±10.47 | 73.07±12.08 | <0.001 |
| Non-DM | 72.17±11.59 | 70.73±10.03 | 71.17±9.58 | 74.89±11.65 | <0.001 |
| Systolic blood pressure | DM | 120.66±20.92 | 117.60±19.44 | 115.71±19.29 | 115.01±19.06 | 0.002 |
| Non-DM | 117.45±19.96 | 117.76±20.17 | 114.65±19.22 | 113.64±19.04 | <0.001 |
| Diaystolic blood pressure | DM | 78.77 | 76.69 | 76.26 | 77.08 | <0.001 |
| Non-DM | 77.49 | 77.88 | 75.67 | 75.47 | 0.043 |
| Hypertension (%) | DM | 182 (53.8) | 161 (46.9) | 132 (43.9) | 86(35.1) | <0.001 |
| Non-DM | 166 (30.9) | 209 (33.9) | 188 (30.1) | 147 (20.8) | 0.002 |
| myocardial infarction  | DM | 18 (5.01) | 15 (4.4) | 9 (3) | 2 (0.8) | 0.036 |
| Non-DM | 21 (4) | 10 (1.6) | 15 (2.4) | 8 (1.1) | 0.006 |
| cardiac ischemic  | DM | 89 (26.3) | 81 (23.6) | 54(17.9) | 40(16.3) | 0.008 |
| Non-DM | 101(19.1) | 100(16.3) | 103 (17.7) | 80 (11.5) | 0.011 |
| stroke | DM | 18 (5.3) | 11 (3.2) | 5 (1.7) | 3 (1.2) | 0.013 |
| Non-DM | 14 (2.6) | 12 (1.8) | 7 (1) | 10 (1.4) | 0.159 |

Table 3. the odds ratio, confidence interval, and risk ratio of macrovascular events in both groups.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Event | Odds Ratio | S.E | CI | Percentage of risk |  Risk ratio |
| Stroke | DM | 1.72 | 017 | 1.21- 2.43 | 63.23 | 1.12 |
| Non-DM | 1.29 | 0.14 | 0.97- 1.71 | 56.3 |
| MI | DM | 1.54 | 0.15 | 1.13- 2.11 | 60.62 | 1.03 |
| Non-DM | 1.41 | 0.12 | 1.11- 1.82 | 58.5 |
| cardiac ischemic | DM | 1.24 | 0.06 | 1.09- 1.41 | 55.35 | - |
| Non-DM | - | - | - |  |