

Supplementary Table 1 Clinical characteristics and SUDOSCAN indicators of individuals among tertiles (T1-T3) of time in range

Tertiles (T1-T3) of TIR					
	T1 (< 55.69 %)	T2 (55.69-79.86 %)	T3 (> 79.86 %)	x ² /F/z	P value
<i>n</i>	155	156	155	-	-
Male, <i>n</i> (%)	100 (64.52)	107 (68.59)	119 (76.77)	5.749	0.056
Age (yr)	54.97 ± 12.76	55.51 ± 11.40	53.03 ± 12.86	1.738	0.177
Diabetes duration (yr)	10.003.75, 16.25)	8.00 (3.00, 14.00)	6.00 (2.00, 14.00)	14.601	0.001
Smoking, <i>n</i> (%)	51 (32.90)	48 (30.77)	50 (32.26)	0.171	0.918
SBP (mmHg)	136.38 ± 20.23	130.94 ± 15.11	131.84 ± 15.37	4.530	0.011
DBP (mmHg)	80.24 ± 10.71	78.26 ± 9.49	79.61 ± 9.55	1.619	0.199
BUN (mmol/L)	5.80 (4.60, 7.03)	5.50 (4.60, 6.85)	5.50 (4.60, 6.80)	1.406	0.495
SCr (μmol/L)	54.00 (46.00, 65.00)	58.00 (50.25, 68.75)	60.00 (50.00, 71.00)	7.148	0.028
UA (μmol/L)	316.27 ± 84.85	325.88 ± 89.09	338.81 ± 91.06	2.538	0.080
TC (mmol/L)	4.48 (3.77, 5.28)	4.26 (3.82, 5.20)	4.22 (3.62, 5.09)	2.799	0.247
TG (mmol/L)	1.68 (1.10, 2.96)	1.51 (1.05, 2.53)	1.43 (1.03, 2.19)	4.668	0.097
HDL (mmol/L)	1.07 (0.91, 1.30)	1.03 (0.89, 1.23)	1.05 (0.90, 1.23)	1.257	0.533
LDL (mmol/L)	2.57 (1.98, 3.27)	2.58 (2.08, 3.27)	2.50 (1.99, 3.22)	0.491	0.782

HbA1c (%)	10.08 ± 1.98	8.59 ± 1.96	7.44 ± 1.42	81.886	< 0.001
BMI (kg/m ²)	25.34 ± 3.62	25.37 ± 3.46	25.82 ± 3.77	0.848	0.429
FBG (mmol/L)	8.69 ± 2.81	6.93 ± 2.03	6.28 ± 1.54	37.881	< 0.001
PBG (mmol/L)	18.28 ± 3.23	15.51 ± 3.01	13.33 ± 2.90	80.780	< 0.001
SD (mmol/L)	2.93 (2.34, 3.67)	2.45 (2.08, 2.87)	1.68 (1.35, 2.09)	190.990	< 0.001
MAGE (mmol/L)	5.00 (4.00, 6.41)	4.85 (4.00, 5.85)	3.68 (3.00, 4.18)	81.061	< 0.001
MODD (mmol/L)	2.86 (2.29, 3.74)	2.17 (1.68, 2.88)	1.37 (1.12, 1.78)	192.089	< 0.001
ADDR (mmol/L)	33.65 (27.74, 41.04)	23.45 (19.38, 27.98)	12.06 (9.36, 15.49)	286.468	< 0.001
M value (mmol/L)	20.84 (13.76, 28.34)	6.66 (5.30, 9.67)	2.18 (1.32, 3.40)	358.227	< 0.001
SUDOSCAN	-	-	-	-	-
HESC (μS)	60.26 ± 18.21	67.19 ± 14.38	67.54 ± 15.30	10.16	< 0.001
FESC (μS)	59.83 ± 22.87	70.94 ± 15.16	69.45 ± 16.69	16.42	< 0.001
HASYM (%)	6.00 (2.00, 15.00)	5.00 (2.00, 10.75)	4.00 (2.00, 9.00)	11.91	0.003
FASYM (%)	4.00 (1.00, 14.00)	2.00 (1.00, 6.00)	2.00 (1.00, 6.00)	16.98	< 0.001
Microvascular complications					
DN, <i>n</i> (%)	44 (28.39)	37 (23.72)	23 (14.84)	8.471	0.014
DR, <i>n</i> (%)	55 (35.48)	40 (25.64)	36 (23.23)	6.471	0.039

Treatment (n, %)					
No treatment	4 (2.58)	18 (11.54)	12 (7.74)	40.307	< 0.001
OHA	28 (18.06)	37 (23.72)	68 (43.87)		
Insulin	27 (17.42)	22 (14.10)	15 (9.68)		
OHA and insulin	96 (61.94)	79 (50.64)	60 (38.71)		

Normally distributed values in the table are presented as the means \pm SD, non-normally distributed values are presented as medians (25% and 75% interquartiles) and categorical variables are presented as frequencies (percentages). One way ANOVA for comparison of three samples with a normal distribution, Wilcoxon rank-sum test for abnormal distributions. X^2 -test for categorical variables. SBP: Systolic blood pressure; DBP: Diastolic blood pressure; BUN: Blood urea nitrogen; SCr: Serum creatinine; UA: Uric acid; TC: Total cholesterol; TG: Triglyceride; HDL: High density lipoprotein; LDL: Low density lipoprotein; HbA1c: Hemoglobin A_{1c}; BMI: Body mass index; FBG: Fasting blood glucose; PBG: Postprandial blood glucose; SD: Standard deviation; MAGE: Mean amplitude of glucose excursions; MODD: Means of daily differences; ADDR: Average daily risk range; TBR: Time below range; TIR: Time in range; TAR: Time above range; DN: Diabetic nephropathy; DR: Diabetic retinopathy; OHA: Oral hypoglycemic agents.