

**Supplementary Table 1 Normal test of variables in diabetes foot and non diabetes foot group**

**Tests of Normality**

|  | 0NDF, 1DF | Kolmogorov-Smirnov <sup>a</sup> |     |       | Shapiro-Wilk |     |      |
|--|-----------|---------------------------------|-----|-------|--------------|-----|------|
|  |           | Statistic                       | df  | Sig.  | Statistic    | df  | Sig. |
| Diabetes duration (months)   | 0         | .147                            | 243 | .000  | .880         | 243 | .000 |
|  | 1         | .097                            | 121 | .007  | .948         | 121 | .000 |
| Age (years)  | 0         | .059                            | 243 | .040  | .985         | 243 | .011 |
|  | 1         | .097                            | 121 | .008  | .982         | 121 | .105 |
| BMI (kg/m <sup>2</sup> )   | 0         | .096                            | 243 | .000  | .898         | 243 | .000 |
|  | 1         | .091                            | 121 | .015  | .966         | 121 | .004 |
| WHR  | 0         | .079                            | 243 | .001  | .974         | 243 | .000 |
|  | 1         | .268                            | 121 | .000  | .620         | 121 | .000 |
| WBC (*10 <sup>9</sup> /L)  | 0         | .088                            | 243 | .000  | .968         | 243 | .000 |
|  | 1         | .153                            | 121 | .000  | .915         | 121 | .000 |
| NE (*10 <sup>9</sup> /L)   | 0         | .098                            | 243 | .000  | .954         | 243 | .000 |
|  | 1         | .149                            | 121 | .000  | .878         | 121 | .000 |
| Hb (g/L)   | 0         | .068                            | 243 | .008  | .964         | 243 | .000 |
|  | 1         | .069                            | 121 | .200* | .983         | 121 | .127 |
| TG (mmol/L)  | 0         | .177                            | 243 | .000  | .759         | 243 | .000 |
|  | 1         | .239                            | 121 | .000  | .679         | 121 | .000 |
| TC (mmol/L)  | 0         | .100                            | 243 | .000  | .937         | 243 | .000 |
|  | 1         | .100                            | 121 | .005  | .933         | 121 | .000 |
| HDLc (mmol/L)  | 0         | .067                            | 243 | .011  | .966         | 243 | .000 |
|  | 1         | .142                            | 121 | .000  | .956         | 121 | .001 |
| LDLc (mmol/L)  | 0         | .067                            | 243 | .010  | .959         | 243 | .000 |
|  | 1         | .060                            | 121 | .200* | .983         | 121 | .139 |
| ALB (g/L)  | 0         | .079                            | 243 | .001  | .961         | 243 | .000 |
|  | 1         | .073                            | 121 | .169  | .987         | 121 | .312 |
| AST (U/L)  | 0         | .273                            | 243 | .000  | .338         | 243 | .000 |
|  | 1         | .189                            | 121 | .000  | .677         | 121 | .000 |
| ALT (U/L)  | 0         | .273                            | 243 | .000  | .341         | 243 | .000 |
|  | 1         | .186                            | 121 | .000  | .628         | 121 | .000 |
| eGFR [ml min <sup>-1</sup> · (1.73m <sup>2</sup> ) <sup>-1</sup> ] | 0         | .458                            | 243 | .000  | .055         | 243 | .000 |
|  | 1         | .107                            | 121 | .002  | .844         | 121 | .000 |
| HbA1c (%)  | 0         | .088                            | 243 | .000  | .947         | 243 | .000 |
|  | 1         | .070                            | 121 | .200* | .977         | 121 | .040 |
| MBG (mmol/L)   | 0         | .088                            | 243 | .000  | .977         | 243 | .001 |
|  | 1         | .092                            | 121 | .013  | .958         | 121 | .001 |
| SD (mmol/L)  | 0         | .083                            | 243 | .000  | .933         | 243 | .000 |
|  | 1         | .129                            | 121 | .000  | .940         | 121 | .000 |
| CV (%)   | 0         | .075                            | 243 | .002  | .976         | 243 | .000 |
|  | 1         | .083                            | 121 | .039  | .966         | 121 | .004 |
| TIR (%)  | 0         | .122                            | 243 | .000  | .925         | 243 | .000 |

|                      |   |      |     |      |      |     |      |
|----------------------|---|------|-----|------|------|-----|------|
|                      | 1 | .081 | 121 | .047 | .956 | 121 | .001 |
| TAR (%)              | 0 | .136 | 243 | .000 | .919 | 243 | .000 |
|                      | 1 | .078 | 121 | .068 | .951 | 121 | .000 |
| TAR level1 (%)       | 0 | .119 | 243 | .000 | .939 | 243 | .000 |
|                      | 1 | .074 | 121 | .157 | .969 | 121 | .006 |
| TAR level2 (%)       | 0 | .241 | 243 | .000 | .726 | 243 | .000 |
|                      | 1 | .224 | 121 | .000 | .752 | 121 | .000 |
| TBR (%)              | 0 | .338 | 243 | .000 | .483 | 243 | .000 |
|                      | 1 | .377 | 121 | .000 | .342 | 121 | .000 |
| TBR level1 (%)       | 0 | .348 | 243 | .000 | .599 | 243 | .000 |
|                      | 1 | .376 | 121 | .000 | .342 | 121 | .000 |
| TBR level2 (%)       | 0 | .464 | 243 | .000 | .232 | 243 | .000 |
|                      | 1 | .495 | 121 | .000 | .174 | 121 | .000 |
| LAGE (mmolL)         | 0 | .205 | 243 | .000 | .396 | 243 | .000 |
|                      | 1 | .102 | 121 | .004 | .869 | 121 | .000 |
| GRI                  | 0 | .118 | 243 | .000 | .905 | 243 | .000 |
|                      | 1 | .213 | 121 | .000 | .511 | 121 | .000 |
| Left lower limb ABI  | 0 | .230 | 243 | .000 | .559 | 243 | .000 |
|                      | 1 | .119 | 121 | .000 | .925 | 121 | .000 |
| Right lower limb ABI | 0 | .230 | 243 | .000 | .581 | 243 | .000 |
|                      | 1 | .144 | 121 | .000 | .795 | 121 | .000 |
| INS (uIU/mL)         | 0 | .240 | 243 | .000 | .524 | 243 | .000 |
|                      | 1 | .222 | 121 | .000 | .765 | 121 | .000 |
| C-P (ng/mL)          | 0 | .128 | 243 | .000 | .856 | 243 | .000 |
|                      | 1 | .124 | 121 | .000 | .911 | 121 | .000 |
| HOMA $\beta$         | 0 | .386 | 243 | .000 | .447 | 243 | .000 |
|                      | 1 | .412 | 121 | .000 | .394 | 121 | .000 |
| HOMAIR               | 0 | .301 | 243 | .000 | .351 | 243 | .000 |
|                      | 1 | .225 | 121 | .000 | .625 | 121 | .000 |

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

**Supplementary Table 2** Logistic regression analysis of the correlations between continuous glucose monitoring-derived metrics and the risk of diabetic foot

**(A) In individuals with DF (Wagner grade <2) and NDF**

| Variable           | Multivariate Logistic Regression |       |             |         |
|--------------------|----------------------------------|-------|-------------|---------|
|                    | $\beta$                          | OR    | 95% CI      | P       |
| <b>MBG</b>         |                                  |       |             |         |
| Model 1            | 1.020                            | 2.774 | 1.605-4.794 | < 0.001 |
| Model 2            | 0.893                            | 2.443 | 1.092-5.469 | 0.030   |
| <b>TIR</b>         |                                  |       |             |         |
| Model 1            | -0.173                           | 0.841 | 0.767-0.922 | < 0.001 |
| Model 2            | -0.159                           | 0.853 | 0.748-0.972 | 0.017   |
| <b>TAR level 1</b> |                                  |       |             |         |
| Model 1            | 0.241                            | 1.272 | 1.108-1.461 | < 0.001 |
| Model 2            | 0.197                            | 1.218 | 1.014-1.463 | 0.035   |
| <b>TAR level 2</b> |                                  |       |             |         |
| Model 1            | 0.251                            | 1.285 | 1.085-1.523 | 0.004   |
| Model 2            | 0.227                            | 1.255 | 0.980-1.608 | 0.072   |
| <b>GRI</b>         |                                  |       |             |         |
| Model 1            | 0.133                            | 1.142 | 1.058-1.232 | < 0.001 |
| Model 2            | 0.129                            | 1.138 | 1.019-1.269 | 0.021   |

**(B) In individuals with DF (Wagner grade  $\geq$ 2) and NDF**

| Variable           | Multivariate Logistic Regression |       |             |         |
|--------------------|----------------------------------|-------|-------------|---------|
|                    | $\beta$                          | OR    | 95% CI      | P       |
| <b>MBG</b>         |                                  |       |             |         |
| Model 1            | 1.081                            | 2.984 | 1.818-4.781 | < 0.001 |
| Model 2            | 0.819                            | 2.267 | 1.091-4.710 | 0.028   |
| <b>TIR</b>         |                                  |       |             |         |
| Model 1            | -0.190                           | 0.827 | 0.763-0.897 | < 0.001 |
| Model 2            | -0.146                           | 0.864 | 0.767-0.974 | 0.017   |
| <b>TAR level 1</b> |                                  |       |             |         |
| Model 1            | 0.263                            | 1.301 | 1.155-1.465 | < 0.001 |
| Model 2            | 0.214                            | 1.239 | 1.048-1.466 | 0.012   |
| <b>TAR level 2</b> |                                  |       |             |         |
| Model 1            | 0.256                            | 1.292 | 1.100-1.517 | 0.002   |
| Model 2            | 0.151                            | 1.163 | 0.912-1.483 | 0.222   |
| <b>GRI</b>         |                                  |       |             |         |
| Model 1            | 0.146                            | 1.157 | 1.081-1.293 | < 0.001 |
| Model 2            | 0.110                            | 1.116 | 1.008-1.237 | 0.035   |

Odds ratios represent per 5% increase in MBG, per 10% increase in TIR, TAR level 1, TAR level 2, and per 10-unit increase in GRI. OR: Odds ratios; 95% CI: 95% confidence interval; MBG: mean blood glucose; GRI: glycemia risk index; TAR: time above range; TIR: time in range.

Model 1: non-adjusted;

Model 2 : Adjusted for age, sex, body mass index, waist-to-hip ratio, diabetes duration, smoking, drinking, presence of hypertension, diabetic autonomic neuropathy, diabetic nephropathy, diabetes retinopathy, white blood cell, hemoglobin, triglyceride, total cholesterol, albumin, and hemoglobin A1c, left lower limb ABI, right lower limb ABI, and antidiabetic drugs.