

## SUPPLEMENTARY MATERIALS

**Table 4** Baseline features of continuous variables of the study population

| Parameters                                                      | Short Disease Group<br>(25 subjects) | Long Disease Group<br>(29 subjects) | Healthy Group<br>(26 subjects) | p-value |
|-----------------------------------------------------------------|--------------------------------------|-------------------------------------|--------------------------------|---------|
| Male sex                                                        | 52% (n=13)                           | 62% (n=18)                          | 58% (n=15)                     | 0.78    |
| Hyperfiltration                                                 | 50% (n=12)                           | 43% (n=12)                          | -                              | 0.82    |
| Antithyroid Ab positivity                                       | 24% (n=6)                            | 17% (n=5)                           | -                              | 0.40    |
| Antitransglutaminase Ab positivity                              | 16% (n=4)                            | 7% (n=2)                            | 4% (n=1)                       | 0.73    |
| Good metabolic control (HbA1c target <59 mmol/mol) <sup>a</sup> | 72% (n=18)                           | 59% (n=17)                          | -                              | 0.39    |

<sup>a</sup>According to the guidelines from the American Diabetes Association (ADA) and the International Society for Paediatric and Adolescent Diabetes (ISPAD)

**Table 5** Baseline biochemical and metabolic parameters of the diabetic population

| <b>Parameters<br/>(normal range &amp; unit of measurement)</b> | <b>Short Disease<br/>Group</b> | <b>Long Disease<br/>Group</b> | <b>p Value</b> |
|----------------------------------------------------------------|--------------------------------|-------------------------------|----------------|
| <b>Fasting glucose level (90-130 mg/dL) <sup>a</sup></b>       | 158 ± 53                       | 179 ± 77                      | 0.6            |
| <b>HbA1c (20-42 mmol/mol) <sup>b</sup></b>                     | 55 ± 10                        | 61 ± 11                       | 0.03           |
| <b>Uric acid (2.5-5.4 mg/dL)</b>                               | 3.2 ± 1.1                      | 4.0 ± 1.3                     | 0.004          |
| <b>Serum creatinine (0.5-0.9 mg/dL)</b>                        | 0.5 ± 0.1                      | 0.7 ± 0.1                     | <0.0001        |
| <b>eGFR (xx mL/min/1.73 m<sup>2</sup>) <sup>c</sup></b>        | 160 ± 26                       | 145 ± 21                      | 0.006          |
| <b>Total cholesterol (120-180 mg/dL)</b>                       | 163 ± 25                       | 159 ± 31                      | 0.65           |
| <b>Triglycerides (&lt;150 mg/dL)</b>                           | 50 (41, 56)                    | 68 (56, 85)                   | 0.02           |
| <b>High-density lipoprotein (&gt;46 mg/dL)</b>                 | 66 ± 14                        | 64 ± 17                       | 0.59           |
| <b>Aspartate transaminase (9-31 U/L)</b>                       | 20 (12, 25)                    | 16 (11, 20)                   | 0.16           |
| <b>Alanine transaminase (11-29 U/L)</b>                        | 17 (15, 20)                    | 19 (15, 23)                   | 0.32           |
| <b>Gamma-glutamyltransferase (10-38 U/L)</b>                   | 14 (13, 16)                    | 16 (12, 19)                   | 0.07           |
| <b>Thyroid-stimulating hormone (0.3-4.2 mIU/L)</b>             | 2.5 ± 1.3                      | 2.3 ± 0.8                     | 0.43           |

<sup>a</sup> target blood glucose levels before meals according to American Diabetes Association (ADA) and the International Society for Paediatric and Adolescent Diabetes (ISPAD).

<sup>b</sup> target values better explained in section 'Methods'

<sup>c</sup> definition of normal GFR in footnote of tabl

**Table 6** Bivariate correlations of several variables in the study population

|               | UfRBP4 (µg/mmol)            |         |
|---------------|-----------------------------|---------|
|               | Correlation coefficient (r) | p-value |
| BMI           | 0.007                       | 0.9     |
| GLC           | −0.2                        | 0.07    |
| SBP           | 0.157                       | 0.3     |
| DBP           | −0.05                       | 0.70    |
| HbA1c         | −0.16                       | 0.5     |
| DM Duration   | −0.03                       | 0.8     |
| Age           | 0.0007                      | 0.9     |
| pH            | −0.06                       | 0.15    |
| PS            | −0.07                       | 0.07    |
| eGFR          | 0.03                        | 0.6     |
| Creatinine    | 0.04                        | 0.7     |
| Cholesterol   | 0.13                        | 0.31    |
| HDL           | 0.14                        | 0.30    |
| Triglycerides | −0.05                       | 0.70    |
| Insulin dose  | 0.029                       | 0.83    |
| Uric acid     | −0.11                       | 0.40    |

r, Pearson correlation coefficient or nonparametric Spearman correlation coefficient