**TITLE: Cost-effective model with laboratory prognostic factors to predict newly diagnosed biopsy-proven diabetic nephropathy in people with type 2 diabetes**

**Running Head:** Lab predictors and models to predict incident DN

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**Supplemental Table-1**. Univariate analysis for candidate predictors in predicting diabetes nephrology in the case-control sample

|  |  |  |
| --- | --- | --- |
| **Predictors** | **Coefficients** | **95% confidence interval** |
| Body mass index, kg/m2 | 0.00896 | (0.005982 to 0.012916) |
| Systolic blood pressure, mmHg | 0.047837 | (0.044973 to 0.048790) |
| Diastolic blood pressure, mmHg | 0.033435 | (0.029559 to 0.038259) |
| HbA1c, % | -0.10982 | (-0.167236 to -0.051293) |
| Alanine transaminase, U/L | 0.000001 | (0.000000 to 0.001000) |
| Alkaline phosphatase, IU/L | 0.001000 | (0.000000 to 0.002996) |
| Activated partial thromboplastin time, S | 0.025668 | (0.012916 to 0.038259) |
| Direct bilirubin, µmol/L | 0.000001 | (-0.004008 to 0.003992) |
| Basophil, % | 0.000001 | (-0.001001 to 0.000000) |
| Cholinesterase, U/L | -1.86433 | (-2.282782 to -1.443923) |
| Calcium, mmol/L | 0.010940 | (-0.004008 to 0.025668) |
| Chlorine, mmol/L | 0.004988 | (0.003992 to 0.005982) |
| Creatinine, μmoI/L | 0.002996 | (0.000000 to 0.004988) |
| C reaction protein, mg/L | 0.002996 | (0.000000 to 0.004988) |
| Cysteine proteinase inhibitor | 0.044017 | (0.011929 to 0.076035) |
| D\_Dimer, µg/mL | 0.005982 | (0.001998 to 0.009950) |
| Fibrinogen Degradation Products, mg/L | 0.308220 | (0.227136 to 0.389336) |
| Fibrinogen, g/L | 0.000001 | (-0.001001 to 0.001000) |
| Gamma glutamyl transpeptidase, U/L | 0.023717 | (0.009950 to 0.038259) |
| Globulin, g/L | 0.021761 | (0.000000 to 0.043059) |
| Glucose, mmol/L | 0.474991 | (0.204572 to 0.744315) |
| High density lipoprotein cholesterol, mmol/L | -0.031490 | (-0.036664 to -0.026344) |
| Haemoglobin, g/L | 0.021761 | (0.014889 to 0.029559) |
| Haematocrit, % | -0.053400 | (-0.072571 to -0.034591) |
| Indirect Bilirubin, µmol/L | 0.479335 | (0.221542 to 0.737164) |
| Potassium, mmol/L | 0.079735 | (0.001998 to 0.156149) |
| Low density lipoprotein cholesterol, mmol/L | -0.34956 | (-0.504181 to -0.196015) |
| Lymphocyte, % | -0.06081 | (-0.092115 to -0.028399) |
| Mean corpuscular haemoglobin concentration, g/L | -0.002000 | (-0.011061 to 0.006976) |
| Mean corpuscular volume, fL | 0.006976 | (-0.586987 to 0.600483) |
| Magnesium, mmol/L | 0.066724 | (0.010940 to 0.123102) |
| Mean platelet volume, fL | 0.050693 | (-0.116534 to 0.217528) |
| Monocytes, % | -0.032520 | (-0.048140 to -0.016129) |
| Sodium, mmol/L | 0.082501 | (0.050693 to 0.115113) |
| Neutrophil, % | 1.471784 | (1.212833 to 1.730593) |
| Phosphorus, mmol/L | 0.042101 | (0.015873 to 0.069526) |
| Procalcitonin, ng/mL | 0.000001 | (0.00000001 to 0.001000) |
| Red blood cell, 1012/L | 0.150143 | (0.108854 to 0.190620) |
| Red blood cell distribution width, % | 0.079735 | (0.013903 to 0.144966) |
| Total cholesterol, mmol/L | -0.002000 | (-0.008032 to 0.003992) |
| Total bile acid, µmol/L | -0.002000 | (-0.005013 to 0.001000) |
| Total bilirubin, µmol/L | 0.086178 | (0.020783 to 0.152721) |
| Triglyceride, mmol/L | 0.017840 | (-0.011061 to 0.045929) |
| Thyroid-stimulating hormone, µIU/mL | 0.007968 | (0.006976 to 0.008960) |
| Urine acid, µmol/L | 0.029559 | (0.010940 to 0.048790) |
| Thrombin time, S | 0.211880 | (0.187309 to 0.237441) |
| Urea, mmol/L | 0.001000 | (0.000000 to 0.001000) |
| White blood cell count, 109/L | -0.08447 | (-0.094311 to -0.073647) |
| estimated glomerular filtration rate, mL/min/1.73m2 | -0.110930 | (-0.136966 to -0.085558) |
| Carbondioxide combining power, mmol/L | 0.000010 | (0.000000 to 0.000000) |
| Urine total protein, mg/24hrs | 0.209450 | (0.006976 to 0.410784) |
| α-microglobulin, mg/L | 0.332894 | (0.282921 to 0.382538) |
| β2-microglobulin, mg/L | 0.001000 | (0.000000 to 0.001000) |