

Retinal Vascular Imaging Markers and Incident Chronic Kidney Disease: A Prospective Cohort Study

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Supplementary Table S1. Baseline characteristics comparing between participants who were included to those who were excluded from the study

Characteristics	Included (n=1256)	Excluded (n=645)	*P-value
Age (years)	54.21 (8.73)	62.20 (10.37)	< 0.001
Gender, males	550 (43.79)	314 (48.68)	0.043
Education, secondary/above education	488 (38.85)	149 (23.24)	< 0.001
Current smoking, yes	245 (19.51)	101 (15.73)	0.044
Alcohol, yes	26 (2.07)	6 (0.094)	0.070
Diabetes, yes	313 (24.92)	241 (41.77)	< 0.001
Hypertension, yes	733 (58.36)	494 (77.92)	< 0.001
HbA1c (%)	6.30 (1.48)	6.53 (1.52)	0.002
Systolic blood pressure (mm Hg)	141.45 (21.55)	149.75 (23.91)	< 0.001
Diastolic blood pressure (mm Hg)	79.27 (10.67)	79.75 (11.71)	0.367

Random blood glucose (mmol/L)	6.47 (3.47)	7.00 (3.79)	0.004
BMI (kg/m ²)	26.60 (4.84)	26.57 (4.79)	0.872
Total cholesterol (mmol/L)	5.60 (1.03)	5.64 (1.24)	0.526
HDL cholesterol (mmol/L)	1.37 (0.33)	1.34 (0.33)	0.070
eGFR (mL/min/1.73 m ²)	83.35 (14.32)	63.24 (20.08)	<0.001
hsCRP (mmol/L)	3.54 (7.09)	4.00 (6.97)	0.196
CRAE (μm)	132.78 (11.91)	134.53 (12.87)	0.008
CRVE (μm)	202.34 (16.67)	203.21 (17.96)	0.344
Fractal dimension	1.41 (0.04)	1.40 (0.05)	0.0002
Arteriolar tortuosity	0.00030 (0.00013)	0.00029 (0.00014)	0.071
Venular tortuosity	0.00047 (0.00024)	0.00046 (0.00020)	0.487
Arteriolar branching	77.21 (10.62)	76.50 (11.68)	0.224
Venular branching	79.58 (9.95)	79.59 (10.88)	0.984

Abbreviations: BMI: body mass index; CRAE: central retinal artery equivalent; CRVE: central retinal vein equivalent; eGFR: estimated glomerular filtration rate; HbA1c: glycated hemoglobin; HDL: high density lipoprotein; hsCRP: high-sensitivity C-reactive protein.

Data presented are mean (standard deviation) or frequency (percentage), where appropriate.

*P- value was based on chi-square or t-test where appropriate.