

Supplementary Material

Table S1 – Comparison of baseline characteristics according to the presence of DR in DN group

Variables	DN+DR(n=128)	DN-DR(n=36)	P-value
Age, years	54.99±10.84	53.83±10.01	0.732
Sex, male, n (%)	85(66.4%)	20(55.56%)	0.203
Course of DM,	9.32±6.22	7.13±5.36*	0.043
Family history of	77(60.2%)	15(41.67%)*	0.047
Use of insulin, n	90(70.3%)	17(47.2%)*	0.018
Hypertension, n	112(87.5%)	22(61.1%)*	0.046
SBP, mmHg	145±26.32	132±20.50 *	0.005
DBP, mmHg	83.02±13.13	79.01±14.73	0.178
FPG, mmol/L	7.88(6.23-9.82)	8.08(7.02-12.12)	0.103
2h-PPG, mmol/L	12.05±4.41	12.54±3.63	0.578
HbA1C, %	7.78±1.62	7.81±1.49	0.603
sCr, µmol/L	123(92-156)	77(59-98) *	<0.001
BUN, mmol/L	8.32(6.42-10.56)	6.11(5.04-6.98) *	<0.001
Uric acid, umol/L	377.92±91.12	328.53±75.32*	0.029
eGFR, mL/min per	61.18±32.28	90.21±29.43*	<0.001
Hematuria, n (%)	107(83.6%)	26(72.2%)	0.238
24-hr proU, g	3.98(1.87-6.93)	0.98(0.39-1.42) *	<0.001
Hemoglobin, g/L	115±22	135±21*	<0.001
Albumin, g/L	34.09±6.28	41.21±6.72*	<0.001
Calcium, mmol/L	2.22±0.17	2.26±0.14	0.067
Phosphorus,	1.22±0.24	1.10±0.14	0.058
TC, mmol/L	5.73±1.93	4.46±1.22*	<0.001
TG, mmol/L	2.32(1.33-2.82)	1.88(1.19-2.62)	0.069
HDL-C, mmol/L	1.02(0.91-1.17)	0.99(0.85-1.21)	0.388
LDL-C, mmol/L	3.38±1.28	2.72±0.86*	0.010

DN+DR: DN patients combined with DR; DN-DR: DN patients without DR; DR: diabetic retinopathy; SBP: systolic blood pressure; DBP: diastolic blood pressure; FPG: fasting plasma glucose; 2 h PPG: 2 h postprandial plasma glucose; HbA1c: glycosylated hemoglobin A1c; sCr: serum creatinine; BUN: blood urea nitrogen; eGFR: estimated glomerular filtration; 24-hr proU:24-hour proteinuria; TC: total cholesterol; TG: triglycerides; HDL-C: high-density lipoprotein cholesterol; LDL-C: low-density lipoprotein cholesterol<0.05 was considered significant. *P<0.05, compared with DN+DR group.

Table S2 Number of patients according to pathological classification in DN group

Pathological lesions	Numbers
Glomerular class	
I	11
IIa	41
IIb	52
III	53
IV	22
IFTA	
0	13
1	49
2	59
3	58
Interstitial inflammation	
0	25
1	136
2	18
Arteriolar hyalinosis	
0	16
1	20
2	143

IFTA: interstitial fibrosis and tubular atrophy

Table S3 Actual number of renal and cardiovascular events

Parameters	NDRD	DN
Renal events		
Double of serum creatinine	4	22
Renal replacement	3	18
Death	2	5
Total renal events	9	45
Cardiovascular events		
TIA	0	7
Stroke	1	4
Unstable Angina	1	5
Revascularization	1	5
Death	2	5
Total cardiovascular events	5	26

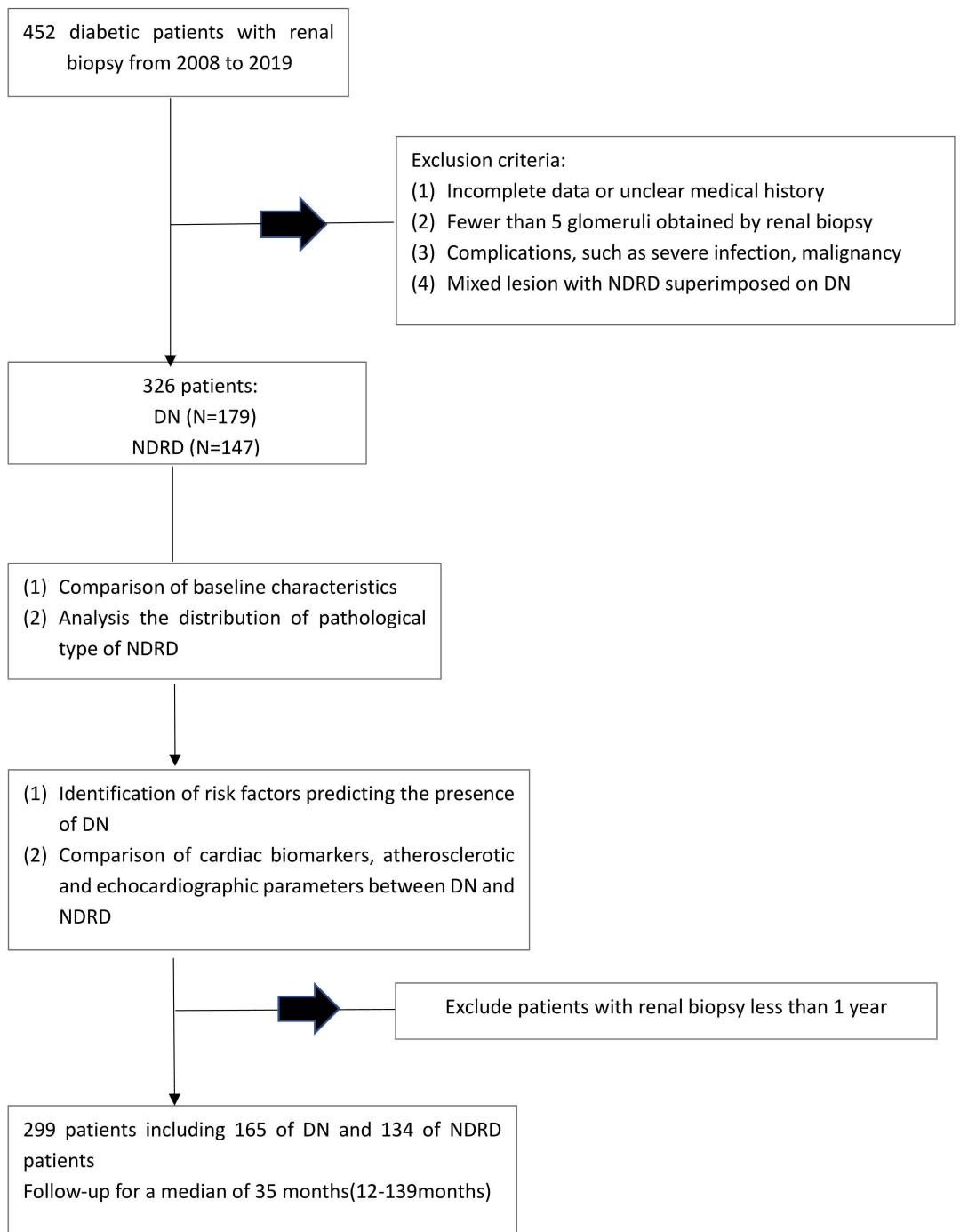


Fig.S1. Flowchart of study participants and exclusion criteria DN: diabetic nephropathy; NDRD: non-diabetic renal disease

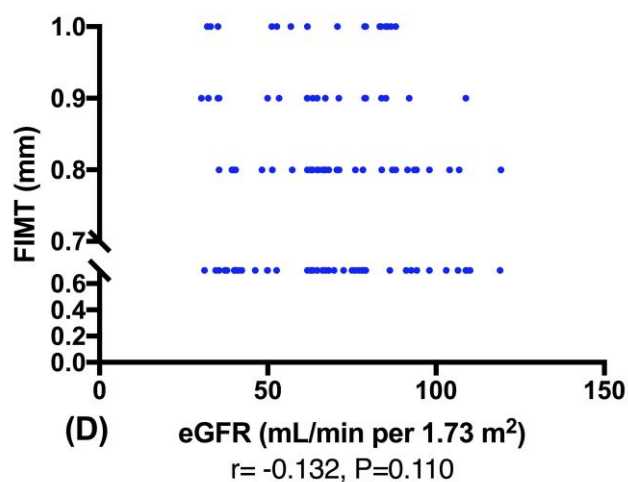
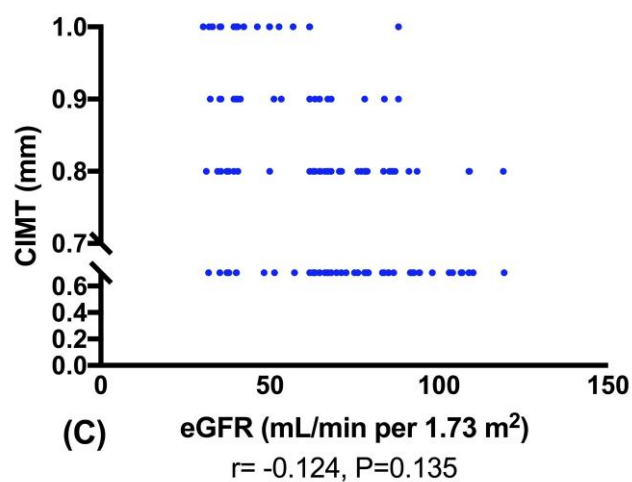
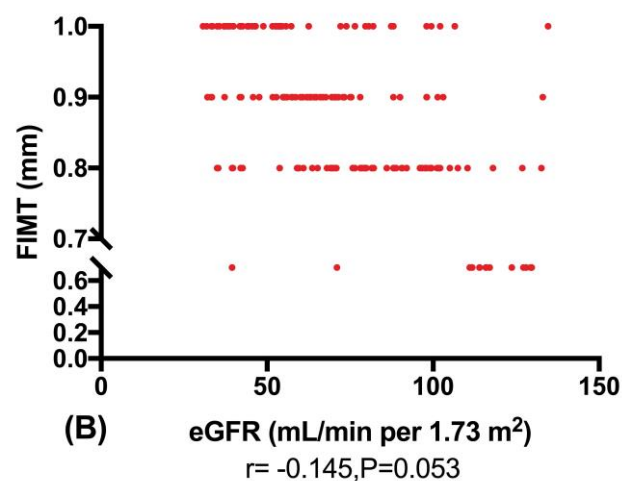
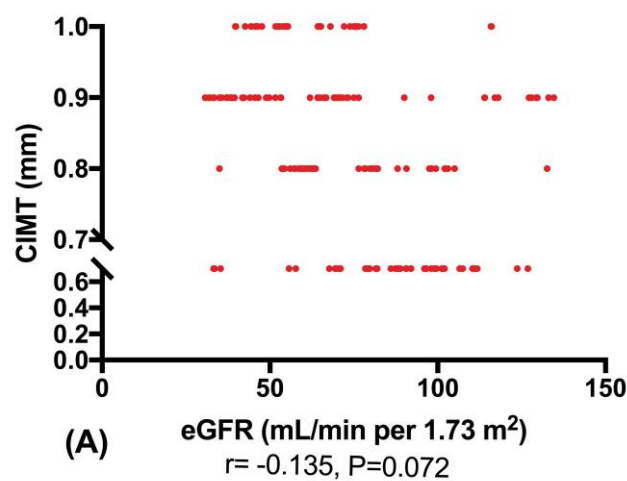


Fig. S2 Scatterplot of the eGFR vs IMT in both DN and NDRD groups (A) Association between eGFR and CIMT in DN group (B) Association between eGFR and FIMT in DN group (C) Association between eGFR and CIMT in NDRD group (D) Association between eGFR and FIMT in NDRD group