Supplementary Figures

Figure S1 Kidney and intraglomerular hemodynamic parameters

Supplementary Tables

Table S1. Mean of posterior probabilities by latent classes for the LCMM model with 2 classes

A. **Intraglomerular pressure (P_{GLO})**

Latent class	n (%)	Average posterior probabilities (%)	
		Class 1	Class 2
Class 1	23 (9.7)	**85.2**	14.8
Class 2	214 (90.3)	8.7	**91.3**

B. Afferent to efferent arteriolar resistance (R_A/R_E) ratio

Latent class	n (%)	Average posterior probabilities (%)	
		Class 1	Class 2
Class 1	24 (10.1)	**88.63**	11.37
Class 2	213 (89.9)	4.30	**95.70**

Table S2 Partial Spearman correlation matrix between hemodynamic and morphometric variables

	ACR	V_G	TFS	Sv	%FE	Podo	GS	GBM	Vv_{Mes}	Vv_{Int}	%PD	FPW
GFR	0.03	0.12	**0.31**	**0.23**	**0.26**	0.10	-0.003	-0.17	**-0.32**	-0.19	-0.05	-0.07
	0.77	0.21	**0.001**	**0.02**	**0.006**	0.32	0.98	0.08	**0.0009**	0.06	0.63	0.47
RPF	**0.29**	**0.21**	0.13	-0.03	0.005	0.05	0.07	0.08	-0.003	0.07	0.11	0.09
	0.003	**0.03**	0.20	0.77	0.96	0.60	0.49	0.43	0.97	0.48	0.25	0.38
FF	**-0.23**	-0.04	**0.22**	**0.27**	**0.34**	0.12	-0.10	**-0.33**	**-0.39**	**-0.35**	**-0.19**	-0.15
	0.02	0.65	**0.02**	**0.005**	**0.0004**	0.22	0.30	**0.0006**	**<0.0001**	**0.0002**	**0.047**	0.13
RBF	**0.22**	0.17	0.15	0.02	0.06	0.07	0.03	0.02	-0.06	0.05	0.13	0.05
	0.03	0.08	0.13	0.8055	0.55	0.48	0.78	0.82	0.53	0.63	0.19	0.64
RVR	**-0.21**	**-0.22**	**-0.20**	-0.05	-0.08	-0.11	-0.03	-0.01	0.09	-0.01	-0.14	-0.02
	0.03	**0.03**	**0.04**	0.5807	0.40	0.27	0.79	0.92	0.37	0.90	0.15	0.85
P_{GLO}	-0.03	0.13	**0.36**	**0.26**	**0.30**	0.07	0.01	**-0.22**	**-0.37**	**-0.24**	-0.04	-0.18
	0.74	0.17	**0.0001**	**0.007**	**0.002**	0.51	0.89	**0.02**	**0.0001**	**0.01**	0.72	0.07
R_A/R_E ratio	-0.02	-0.16	**-0.39**	**-0.29**	**-0.33**	-0.13	-0.001	**0.25**	**0.36**	**0.27**	0.03	0.09
	0.82	0.10	**<0.0001**	**0.003**	**0.0006**	0.20	0.99	**0.01**	**0.0002**	**0.005**	0.74	0.35

P values < 0.05 are shown in bold

Correlations are adjusted for age, diabetes duration, BMI, sex, HbA1c, mean arterial pressure.

GFR, glomerular filtration rate; RPF, efficient renal plasma flow; FF, filtration fraction; RBF, renal blood flow; RVR, renal vascular resistance; P_{GLO}, intraglomerular pressure; R_A, afferent arteriolar resistance; R_E, efferent arteriolar resistance. *V_G* glomerular volume, *SV* glomerular filtration surface density, *%FE* percentage of fenestrated endothelium, *Podo* podocyte cell number per glomerulus, *TFS* total filtration surface per glomerulus, *GBM* glomerular basement membrane width, GS glomerulosclerosis index, *VvMes* mesangial fractional volume, *VvInt* cortical interstitial fractional volume, *%PD* percentage of podocyte detachment, *FPW* foot process width.