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Supplemental material

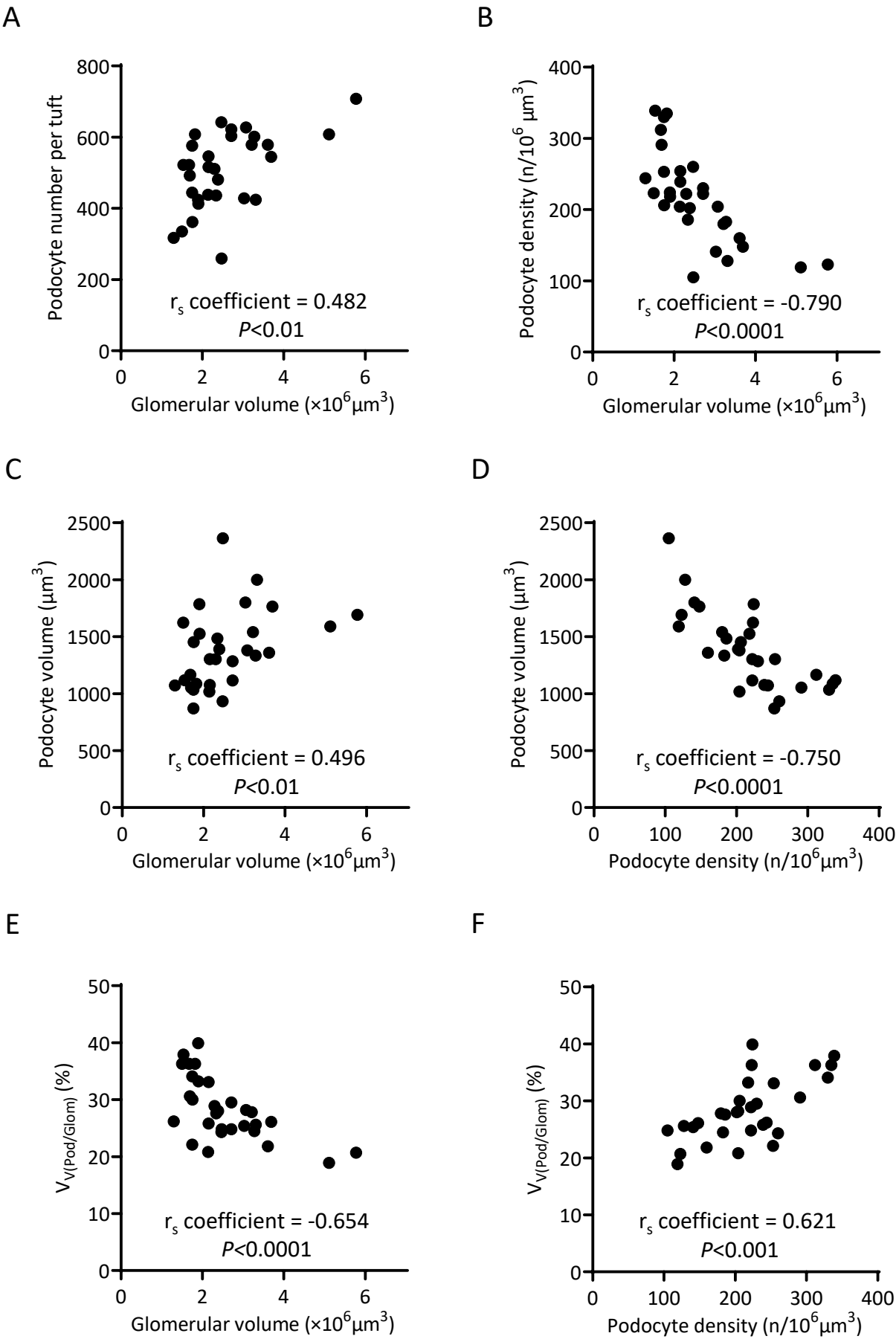
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Supplemental Figure 1. Correlations between glomerular volume and podometrics in 30 Japanese living kidney donors.

Supplementary Table 1. Multiple linear regression analyses for nephron number and glomerular volume.

Supplementary Table 2. Multiple linear regression analyses for podocyte volume.

Supplemental Figure 1



Supplemental Figure 1. Correlations between glomerular volume and podometrics in 30 Japanese living kidney donors. Glomerular volume was directly correlated with total podocyte number per tuft (A) and inversely correlated with podocyte density (B). Glomerular volume was directly correlated with podocyte volume (C). Podocyte density was inversely correlated with podocyte volume (D). Glomerular volume was inversely correlated with $V_{V(\text{Pod}/\text{Glom})}$ (E), while podocyte density was directly correlated with $V_{V(\text{Pod}/\text{Glom})}$ (F). Spearman correlation test was used.

Supplementary Table 1. Multiple linear regression analyses for nephron number and glomerular volume

A. Non-sclerotic nephron number

Variable	Univariable		Multivariable	
	r	P-value	Standardized β	P-value
Age (years)	-0.346	0.061	-0.396	0.052
Hypertensive	-0.025	0.896	0.130	0.510

B. Total nephron number

Variable	Univariable		Multivariable	
	r	P-value	Standardized β	P-value
Age (years)	-0.122	0.520	-0.240	0.240
Hypertensive	0.207	0.273	0.300	0.143

C. Glomerular volume

Variable	Univariable		Multivariable	
	r	P-value	Standardized β	P-value
Age (years)	0.096	0.613	-0.013	0.950
Hypertensive	0.273	0.143	0.279	0.177

Supplementary Table 2. Multiple linear regression analyses for podocyte volume

Variable	Univariable		Multivariable	
	r	<i>P</i> -value	Standardized β	<i>P</i> -value
Hypertensive	0.479	0.007	0.394	0.024
Glomerular volume ($\times 10^6 \mu\text{m}^3$)	0.417	0.022	0.309	0.073