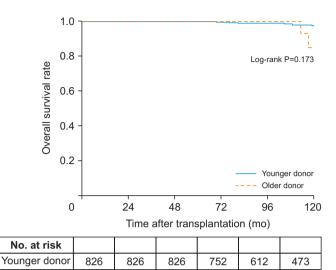
Risk factor	Univariable		Multivariable <sup>a)</sup>		
RISK TACTOR -	HR (95% CI)	P-value	HR (95% CI)	P-value	
Recipient					
Age	1.091 (1.052–1.131)	<0.001	1.083 (1.043-1.125)	<0.001	
Male	1.546 (0.750-3.188)	0.238			
BMI	1.075 (0.978-1.182)	0.134			
DM	2.703 (1.248-5.853)	0.012	1.504 (0.669-3.382)	0.324	
HTN	0.758 (0.312-1.840)	0.541			
Underlying kidney disease 2 <sup>b)</sup>		0.030			
DM nephropathy		ref			
GN (IgA, FSGS, others)	0.170 (0.052-0.554)	0.003			
ADPCK	0.330 (0.042-2.608)	0.293			
Hypertensive	0.522 (0.193-1.410)	0.200			
Other and UK	0.334 (0.140-0.798)	0.014			
Dialysis duration	1.070 (0.885-1.294)	0.486			
Pre-emptive KT <sup>c)</sup>	0.962 (0.416-2.223)	0.927			
HLA mismatch	1.097 (0.875-1.375)	0.424			
DSA-positive	0.992 (0.056-17.453)	0.996			
Induction agent		0.771			
Maintenance regimen		0.234			
Donor					
Male	1.118 (0.563-2.218)	0.751			
BMI	1.027 (0.928-1.136)	0.609			
DM	3.309 (0.191-57.37)	0.411			
HTN	2.224 (0.301-16.426)	0.433			
Cr	0.853 (0.095-7.660)	0.887			
Older donor group <sup>d)</sup>	2.611 (0.622-10.963)	0.190	2.240 (0.521-9.637)	0.2787	

## Supplementary Table 1. Donor age and risk of patient death

HR, hazard ratio; CI, confidence interval; BMI, body mass index; DM, diabetes mellitus; HTN, hypertension; GN, glomerulonephritis; IgA, immunoglobulin A; FSGS, focal segmental glomerulosclerosis; ADPCK, autosomal dominant polycystic kidney disease; UK, unknown; KT, kidney transplantation; HLA, human leukocyte antigen; DSA, donor-specific anti-HLA antibody; Cr, Creatinine.

<sup>a)</sup>Variables with a P-value of less than 0.1 in the univariable analysis were included in the multivariable analysis; <sup>b)</sup>Underlying kidney disease 2 and R\_ DM have a high relationship; if both variables had P<0.1, only R\_DM was included in multivariable analysis; <sup>c)</sup>Pre-emptive KT was defined as kidney transplantation after a dialysis duration of less than 30 days; <sup>d)</sup>Reference is younger donor group, which is the group of KT donor younger than 60 years old.



Older donor	3	3	33	33	27	17	10
Supplementary Fi	a 1	Dati	iont ourvi	val rata	Kanlan M	nior ourvo	of nation

**Supplementary Fig. 1.** Patient survival rate. Kaplan-Meier curve of patient survival rate after living kidney transplantation.