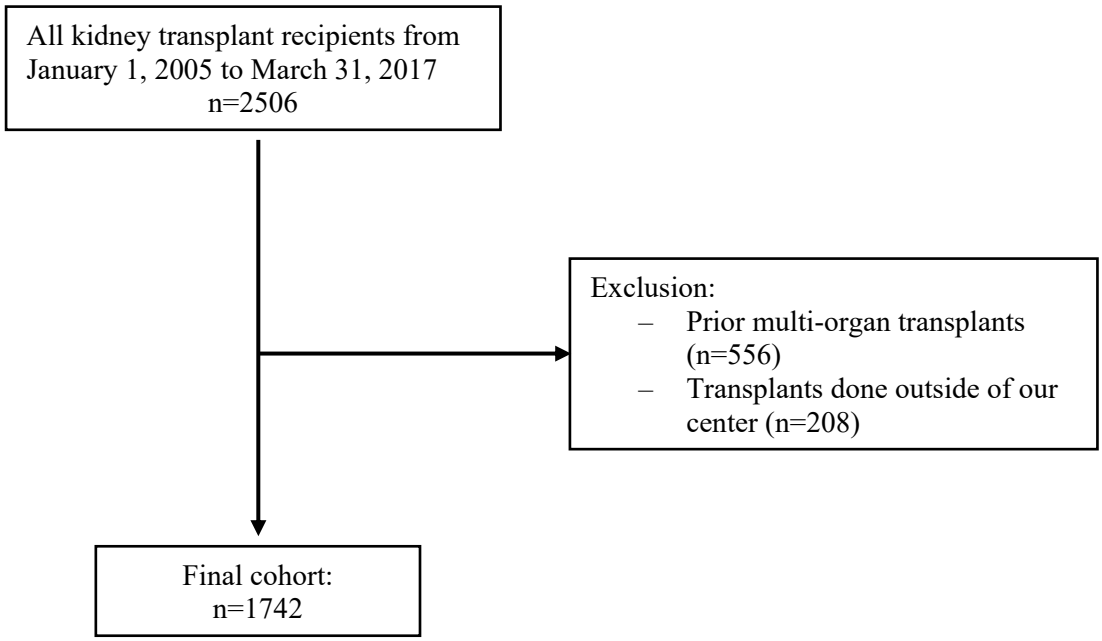
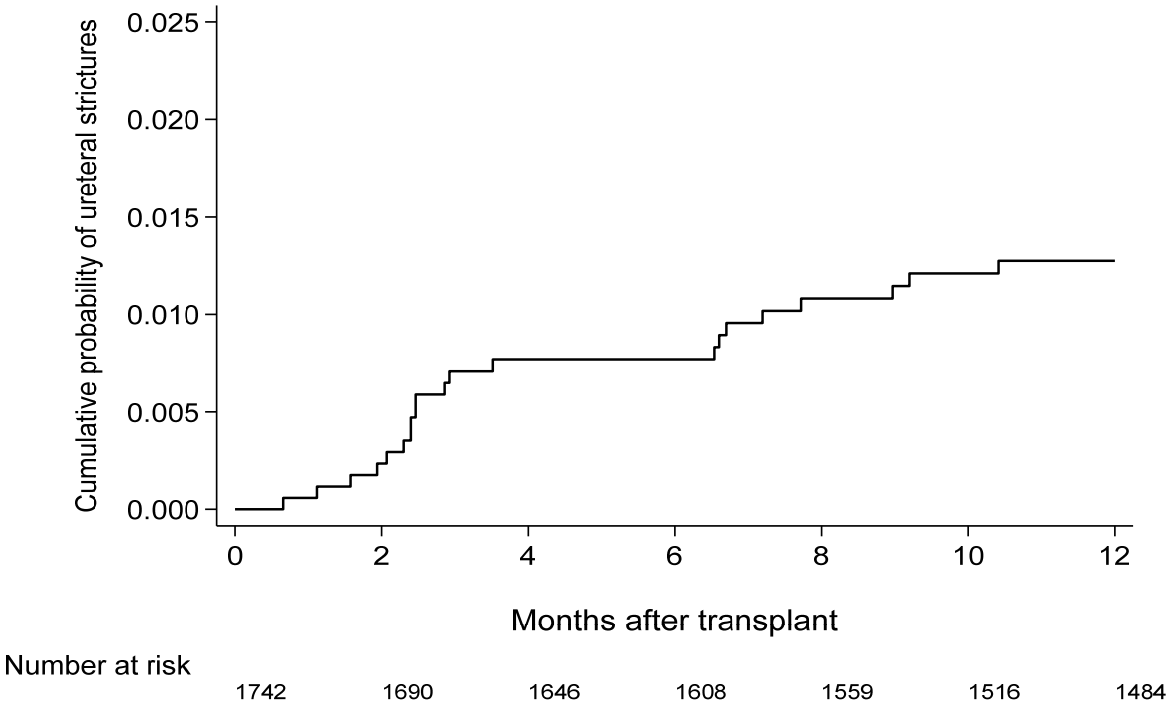
APPENDIX

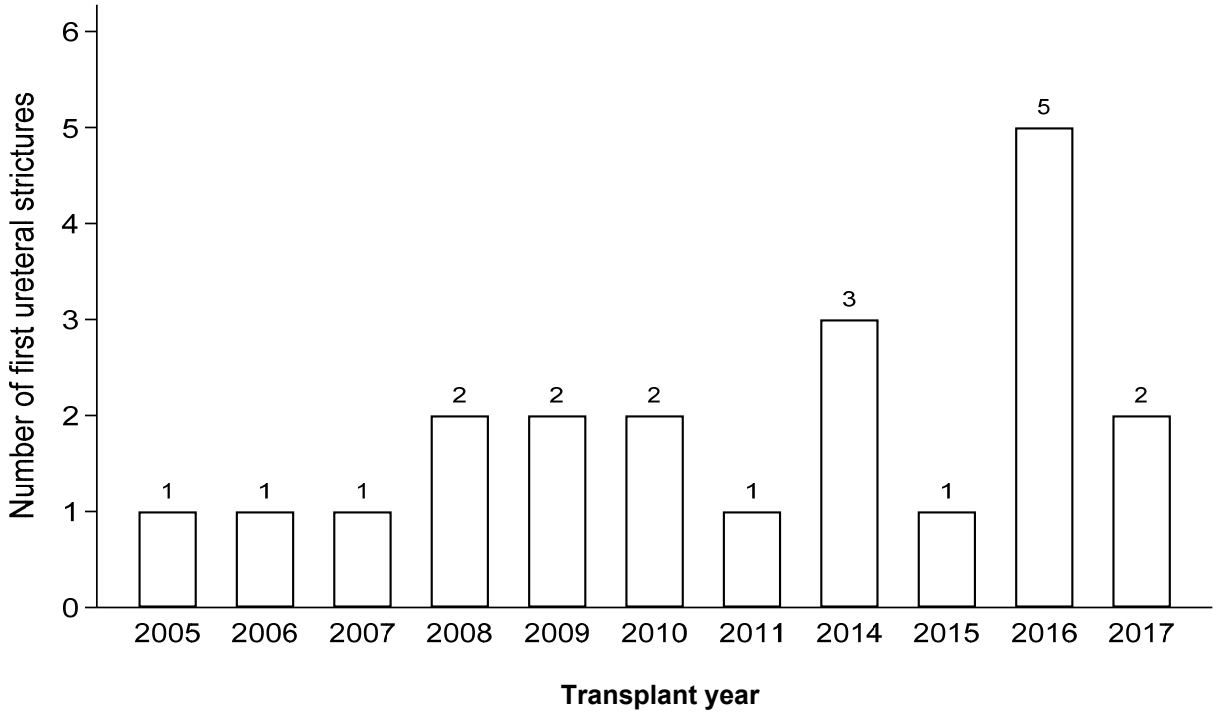
Supplementary Fig. 1. Study population flow diagram.



Supplementary Fig. 2. Cumulative probability of first ureteral stricture over the first year after transplant.



Supplementary Fig. 3. Trends in incidence of ureteral strictures, separated by transplant year.



Supplementary Table 1. Trends in the incidence of ureteral strictures over the first year post-kidney transplant

Time period	Number of transplants	Number of total cases of ureteral strictures	Number of new ureteral strictures	Percentage among total ureteral strictures	Number of cumulative ureteral strictures	Cumulative percentage among total ureteral strictures
From transplant date to 1.0 week	1742	21	0	0%	0	0%
From 1.1 weeks to 1 month	1742	21	1	4.76%	1	4.76%
From 1 month to 3 months	1742	21	11	52.38%	12	57.14%
From 3 months to 6 months	1742	21	1	4.76%	13	61.90%
From 6 months to 12 months	1742	21	8	38.09%	21	100%

Supplementary Table 2. Trends in practice at our center; proportions of ureteral strictures separated by surgeon

Name of surgeon	Number of transplants done	Number (%) of ureteral strictures
A	650	10 (1.5)
B	197	3 (1.5)
C	279	1 (0.4)
D	135	1 (0.7)
E	141	3 (2.1)
F	118	0 (0)
G	21	1 (4.8)
H	188	2 (1.1)

Supplementary Table 3. Univariable cox proportional hazard models for the effects of risk factors on the first ureteral stricture		
Risk factors	**HR (95% CI)**	**p**
Recipient age at transplant (every 1-year increases)	1.03 (1.00, 1.07)	0.07
Recipient sex (female vs. male)	0.78 (0.31, 1.93)	0.59
Recipient race (white vs. non-white)	0.86 (0.34, 2.20)	0.76
Recipient BMI (kg/m^2)	1.05 (0.98, 1.13)	0.16
Recipient history of diabetes mellitus (yes vs. no)	1.37 (0.57, 3.32)	0.48
Recipient history of vascular disease (yes vs. no)	1.29 (0.52, 3.21)	0.58
Peak PRA (>0% vs. 0%)	1.26 (0.53, 2.98)	0.61
Delayed graft function (yes vs. no)	0.91 (0.31, 2.70)	0.86
Number of veins (>1 vs. 1)	0.77 (0.10, 5.73)	0.80
Number of arteries (>1 vs. 1)	0.41 (0.09, 1.75)	0.23
Cold ischemic time (every 1-hour increases)	0.98 (0.91, 1.05)	0.55
Induction type (non-depleting vs. depleting)	0.32 (0.07, 1.36)	0.12

BMI: body mass index; CI: confidence interval; HR: hazard ratio; PRA: panel-reactive antibodies.

Supplementary Table 4. Multivariable cox proportional hazard models for the effects of risk factors on first ureteral stricture		
Risk factors	**HR (95% CI)**	**p**
Recipient age at transplant (every 1-year increase)	1.03 (1.00, 1.07)	0.07
Number of arteries (>1 vs. 1)	0.39 (0.09, 1.67)	0.20
Induction type (non-depleting vs. depleting)	0.31 (0.07, 1.34)	0.12

CI: confidence interval; HR: hazard ratio.