Supplementary Table S1. Cox regression predicting overall mortality, in the original series [12] and in the external validation cohort*.

Variable	Univariable analysis				Multivariable analysis			
		95.0% CI				95.0% CI		
	HR	Lower	Higher	p value	HR	Lower	Higher	p value
Age	1.04	1.01	1.07	0.02	1.04	1.01	1.08	0.01
Gender	0.80	0.36	1.75	0.578	-	-	-	-
Diabetes	1.19	0.36	3.96	0.769	-	-	-	-
Hypertension	1.13	0.54	2.35	0.739	-	-	-	-
ASA score 1-2 3-4	0.89	0.34	2.36	0.829	-	-	-	-
pT stage	0.85	0.31	2.29	0.756	-	-	-	-
RENAL (cat) 4-6 vs 7-9 4-6 vs 10-12	1.06 1.55	0.45 0.51	2.49 4.75	0.884 0.435	-	-	-	-
Preoperative CKD stage	0.52	0.11	2.38	0.403	-	-	-	-
Trifecta	0.42	0.19	0.91	0.029	0.34	0.15	0.76	0.009

Supplementary Table S2. Cox regression predicting CSS survival, in the original series [12] and in the external validation cohort*.

	Multivariable Cox regression model							
	Development cohort *				Externally validation cohort			
	Restricted model		Full model		Restricted model		Full model	
Variable	**HR (95%IC)**	**p**	**HR (95%IC)**	**p**	**HR (95%IC)**	**p**	**HR (95%IC)**	**p**
Trifecta (yes vs no)	-	-	0.79 (0.35-1.79)	0.572	-	-	0.41 (0.35-1.19)	0.008
WIT	1.08 (0.99-1.17)	0.071	1.07 (0.99-1.16)	0.081	1.05 (1.01-1.09)	0.028	1.04 (0.99-1.16)	0.039
Tumor size	0.97 (0.93-1.01)	0.095	0.97 (0.93-1.01)	0.107	1.00 (0.83-1.22)	0.962	1.00 (0.93-1.01)	0.996
Preop. eGFR	0.99 (0.98-1.01)	0.353	0.99 (0.98-1.01)	0.353	1.00 (0.99-1.02)	0.777	1.00 (0.98-1.01)	0.922
RENAL	1.42 (1.19-1.70)	<0.001	1.42 (1.19-1.70)	<0.001	1.02 (0.87-1.20)	0.813	1.04 (1.19-1.70)	0.634
Off-clamp	5.90 (1.1 – 32.8)	0.043	5.69 (1.02-31.7)	0.048	2.86 (0.88-9.31)	0.081	2.73 (1.02-31.7)	0.094

This matched exactly the results from Brassetti et al [12]. Adjusted for malignant lesions only.

Supplementary Table S3. Cox regression predicting newly onset of CKD≥3b, in the original series [12] and in the external validation cohort*.

	Multivariable Cox regression model							
	Development cohort *				Externally validation cohort			
	Restricted model		Full model		Restricted model		Full model	
Variable	HR 95%IC	p-value	HR 95%IC	p	HR 95%IC	p-value	HR 95%IC	p
Trifecta (yes vs no)	-	-	0.35 (0.19-0.62)	<0.001	-	-	0.59 (0.36-0.96)	0.034
WIT	1.02 (0.99-1.05)	0.081	1.01 (0.98-1.03)	0.947	1.04 (1.01-1.07)	0.021	1.03 (1.01-1.07)	0.028
Preop. eGFR	0.95 (0.94-0.97)	<0.001	0.95 (0.94-0.96)	<0.001	0.99 (0.98-0.99)	0.013	0.99 (0.98-0.99)	0.013
Off-clamp	1.11 (0.44- 2.80)	0.833	0.82 (0.32-2.15)	0.690	1.63 (0.72-3.70)	0.246	1.56 (0.70-3.63)	0.266
Age	1.01 (0.99-1.04)	0.250	1.01 (0.99-1.04)	0.398	1.01 (0.98-1.02)	0.904	1.01 (0.98-1.03)	0.745
BMI	1.01 (0.97-1.06)	0.529	1.01 (0.965-1.06)	0.697	1.04 (0.98-1.09)	0.191	1.03 (0.98-1.09)	0.214
ASA	1.40 (0.95-2.05)	0.087	1.43 (0.99-2.13)	0.079	1.19 (0.82-1.73)	0.355	1.21 (0.83-1.74)	0.320
RENAL	1.18 (1.09-1.37)	0.028	1.22 (1.05-1.41)	0.009	1.07 (0.96-1.19)	0.211	1.09 (0.97-1.21)	0.140

* This matched exactly the results from Brassetti et al [12].