Supplementary Table 3. Univariate Cox regression analysis for overall survival, cancer-specific survival, and progression-free survival after radiation therapy or radical cystectomy

Variable	Overall survival		Cancer-specific survival		Progression-free survival	
	Hazard ratio	p-value	Hazard ratio	p-value	Hazard ratio	p-value
Treatment						
RT	Reference		Reference		Reference	
RC	0.88	0.762	0.4	0.147	0.71	0.336
Age	1.04	0.133	0.99	0.747	1.01	0.506
Sex						
Female	Reference		Reference		Reference	
Male	0.31	0.007	0.52	0.373	0.25	<0.001
eGFR	0.99	0.384	1.02	0.422	0.99	0.099
T stage						
2	Reference		Reference		Reference	
3	2.12	0.109	3.73	0.114	2.33	0.024
4	5.54	0.002	17.66	<0.001	5.15	0.001
N stage						
0	Reference		Reference		Reference	
1	6.73	0.075	21.95	0.012	2.99	0.290
2	2.49	0.385	NA	NA	5.50	0.012
3	9.40	0.001	10.80	0.052	4.03	0.024
UTUC T stage						
1	Reference		Reference		Reference	
2	1.73	0.324	4.48	0.195	2.57	0.032
3	2.20	0.117	6.74	0.078	1.90	0.129
UTUC N stage						
0	Reference		Reference		Reference	
1	NA	NA	NA	NA	7.03	0.065
2	1.40	0.746	NA	NA	0.65	0.674
3	4.57	0.147	NA	NA	4.65	0.140
BCR						
No	Reference		Reference		Reference	
Yes	1.05	0.934	0.44	0.247	0.93	0.861
UTUC location						
Ureter	Reference		Reference		Reference	
Renal pelvis	0.79	0.641	0.74	0.675	1.19	0.686
Both	0.76	0.630	0.27	0.261	0.99	0.985

RT, radiation therapy; RC, radical cystectomy; eGFR, estimated glomerular filtration rate; UTUC, upper tract urothelial carcinoma; BCR, bladder cuff resection; NA, not available.