

Supplemental Table 1: LVI with other components of T-stage

Multivariable Cox Regression for Disease-Specific Survival LVI and Components of 7th/8th AJCC T-Stage System			
Variable	HR	95% CI	p-value
Lymphovascular invasion	2.14	1.05-4.38	0.04
Tumor invasion			
Peri-adrenal fat vs. no invasion	1.85	0.90-3.78	0.09
Surr. structures vs. no invasion	3.53	1.49-8.38	0.004
Tumor size > 5cm	0.70	0.23-2.17	0.54

Supplemental Table 2: Univariable Cox regression analyses

Univariable Cox Regression for Disease-Specific Survival			
Variable	HR	95% CI	p-value
Age (yrs)	0.98	0.96-1.00	0.08
Male gender	0.94	0.54-1.63	0.82
Comorbidities			
0	ref	ref	-
1	1.40	0.77-2.52	0.27
≥2	0.71	0.22-2.33	0.57
Pain	1.23	0.71-2.14	0.46
Weight loss	0.69	0.29-1.63	0.40
Hormonal hypersecretion	1.98	1.14-3.43	0.02
Right-sided tumor	1.28	0.76-2.18	0.35
R1 Resection	2.78	1.59-4.87	<0.001
7 th /8 th AJCC T-stage			
T2 (ref T1)	3.48	0.46-27.03	0.23
T3 (ref T2)	1.83	0.94-3.58	0.08
T4 (ref T3)	2.29	1.21-4.34	0.01
Proposed T-stage			
T2 (ref T1)	2.61	0.33-20.41	0.36
T3 (ref T2)	2.53	1.22-5.24	0.01
T4 (ref T3)	2.11	1.13-3.94	0.02