

**Supplemental Table 1** Univariate/Multivariate Analysis of Risk Factors Associated with Loco-regional Recurrence

	Univariate analysis		Multivariate analysis	
	OR (95%CI)	P value	OR (95%CI)	P value
<b>Age</b>	1.02 (0.99-1.05)	0.24	-	
<b>Male sex</b>	1.35 (0.60-3.03)	0.46	-	
<b>Tumor size</b>	1.03 (0.94-1.12)	0.55	-	
<b>Hormone Functional</b>	1.82 (0.79-4.22)	0.16	-	
<b>Laterality</b>				
Right	Ref		Ref	
Left	2.69 (1.18-6.14)	0.02	2.71 (1.06-6.89)	0.04
<b>T Stage</b>				
T1/T2	Ref		Ref	
T3/T4	2.77 (1.14-6.71)	0.02	3.04 (1.19-7.80)	0.02
<b>Capsular invasion</b>	1.48 (0.55-3.99)	0.44	-	
<b>N stage</b>				
N0	Ref		-	
N1	3.33 (0.59-18.9)	0.17	-	
Nx	1.22 (0.42-3.61)	0.71	-	
<b>Number of positive LN</b>	1.11 (0.73-1.68)	0.63	-	
<b>Operation type</b>				
Open abdominal or posterior	Ref		-	
Minimally invasive Surgery	0.57 (0.21-1.57)	0.28	-	
Thoraco-abdominal Surgery	0.93 (0.24-3.60)	0.92	-	
<b>Multi organ resection</b>	0.58 (0.23-1.42)	0.23	-	
<b>Tumor rupture during surgery</b>	0.36 (0.04-3.26)	0.37	-	
<b>Margin</b>				
R0	Ref		-	
R1	1.08 (0.67-1.76)	0.75	-	
<b>Adjuvant chemotherapy</b>	1.78 (0.53-5.98)	0.35	-	
<b>Adjuvants Radiotherapy</b>	0.72 (0.13-3.93)	0.70	-	
<b>Adjuvant Mitotane</b>	1.11 (0.43-2.90)	0.83	-	

**Supplemental Table 2** Univariate/Multivariate Analysis of Risk Factors Associated with Distant Recurrence

	<b>Univariate analysis</b>		<b>Multivariate analysis</b>	
	OR (95%CI)	P value	OR (95%CI)	P value
<b>Tumor size</b>	1.12 (1.03-1.21)	0.003	1.11 (1.01-1.24)	0.04
<b>Hormone Functional</b>	1.43 (0.64-3.18)	0.37	-	
<b>Laterality</b>				
Right	Ref			
Left	1.46 (0.69-3.06)	0.31		
<b>T Stage</b>				
T1/T2	Ref		Ref	
T3/T4	4.39 (1.96-9.84)	<0.001	5.23 (1.70-16.10)	0.004
<b>Capsular invasion</b>	2.95 (1.18-7.40)	0.02	1.51 (0.48-4.64)	0.47
<b>N stage</b>				
N0	Ref			
N1	0.31 (0.03-3.38)	0.34	-	
Nx	0.70 (0.28-1.70)	0.43		
<b>Number of positive LN</b>	0.71 (0.37-1.38)	0.31		
<b>Tumor rupture during surgery</b>	1.73 (0.51-5.89)	0.38		
<b>Operation type</b>				
Open abdominal or posterior	Ref			
Minimally invasive Surgery	0.67 (0.26-1.71)	0.41	-	
Thoraco-abdominal Surgery	2.47 (0.82-7.44)	0.11	-	
<b>Margin</b>				
R0	Ref			
R1	0.81 (0.49-1.27)	0.38	-	
<b>Multiple organ resection</b>	1.67 (0.77-3.61)	0.19		
<b>Adjuvant chemotherapy</b>	1.80 (0.58-5.61)	0.30		
<b>Adjuvants Radiotherapy</b>	1.41 (0.38-5.21)	0.61		
<b>Adjuvant Mitotane</b>	1.46 (0.67-3.29)	0.36		