

Supplemental Table 1. Baseline characteristics of the patients with adrenocortical carcinoma undergoing surgical resection.

Characteristic	Total (n=192)
Age, yr, median (IQR)	52 (43-62)
Sex	
Female	124 (64.6)
Male	68 (35.4)
Race (n=187)	
White	157 (84.0)
Black	9 (4.8)
Others	21 (11.2)
Size, cm, median (IQR)	11.5 (8.0-15.0)
Laterality (n=190)	
Left	105 (55.3)
Right	85 (44.7)
Capsular invasion (n=135)	
No	54 (40.0)
Yes	81 (60.0)
Nodal status	
Negative	42 (21.9)
Positive	18 (9.4)
Not harvested	132 (68.8)
Margin (n=168)	
R0	126 (75.0)
R1	36 (21.4)
R2	6 (3.6)
AJCC T stage (n=192)	
T1	11 (6.2)
T2	80 (45.5)
T3	63 (35.8)
T4	22 (12.5)
Mitosis in 50 HPF (n=87)	
<5	20 (23.0)
<10	29 (33.3)
>10	38 (43.7)
Secretory status (n=179)	
Cortisol	33 (18.4)
Mineralocorticoid	10 (5.6)
Nonsecreting	114 (63.7)
Androgens/Estrogens	22 (12.3)
Operation approach (n=185)	
Open abdominal or posterior	125 (67.6)
Minimally invasive Surgery	35 (18.9)
Thoracoabdominal Surgery	25 (13.5)
Complication (n=137)	52 (38.0)
Grade of complications	
Grade I and II	34 (65.4)
Grade III and IV	18 (34.6)
Neoadjuvant chemotherapy (n=182)	2 (1.1)
Adjuvant chemotherapy (n=180)	23 (12.8)
Postoperative Mitotane (n=156)	57 (36.5)

Supplemental Table 2. Univariable and multivariable Cox proportional hazards models showing the association of variables with disease-free survival.

	Univariable			Multivariable		
	HR	95% CI	P value	HR	95% CI	P value
Age						
≤65	Ref			-	-	-
>65	1.22	0.77-1.92	0.39	-	-	-
Gender						
Female	Ref			-	-	-
Male	1.06	0.74-1.52	0.74	-	-	-
Mitotic count in 50HPF						
≤10	Ref			-	-	-
>10	1.82	1.08-3.08	0.02	-	-	-
Surgical margin status						
R0	Ref			Ref		
R1/R2	1.82	1.21-2.75	0.004	1.35	0.88-2.07	0.17
Size						
≤10cm	Ref			Ref		
>10cm	1.56	1.08-2.26	0.02	1.28	0.86-1.92	0.23
Capsular invasion						
No	Ref			Ref		
Yes	2.03	1.28-3.21	0.002	1.65	1.02-2.68	0.04
T stage						
I-II	Ref			Ref		
III-IV	2.04	1.40-2.97	<0.001	1.46	0.95-2.25	0.08
Functional tumor						
No	Ref			Ref		
Yes	1.62	1.12-2.34	0.01	1.51	1.04-2.20	0.03